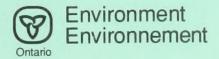
# **Drinking Water Surveillance Program BELLEVILLE** WATER TREATMENT **PLANT Annual Report 1989**





#### BELLEVILLE WATER TREATMENT PLANT

#### DRINKING WATER SURVEILLANCE PROGRAM

ANNUAL REPORT 1989

Cette publication technique n'est disponible qu'en anglais.

December 1990



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#### EXECUTIVE SUMMARY

#### DRINKING WATER SURVEILLANCE PROGRAM

### BELLEVILLE WATER TREATMENT PLANT 1989 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, there were 65 supplies being monitored.

The Belleville Water Treatment Plant is a conventional treatment plant that treats water from the Bay of Quinte. The treatment process consists of coagulation, flocculation, sedimentation, filtration, fluoridation and disinfection. This plant has a design capacity of  $54 \times 1000 \, \text{m}^3/\text{day}$  and serves a population of 37,000.

Water samples from the raw, treated and two distribution system sites were taken on a monthly basis. The Belleville Water Treatment Plant was sampled for approximately 180 parameters. Parameters were divided into the following groups Bacteriological, Inorganic and Physical (Laboratory Chemistry, Field Chemistry and Metals) and Organics (Chloroaromatics, Chlorophenols, Pesticides and PCB, Phenolics, Polynuclear Aromatic Hydrocarbons, Specific Pesticides and Volatiles). Specific Pesticides and Chlorophenols were analysed for in June and November only.

A summary of results is shown in Table A.

Inorganic and Physical parameters (Laboratory Chemistry, Field Chemistry and Metals) were below any applicable health related ODWOs.

Of approximately 110 Organic parameters tested for on a monthly basis, none exceeded health related guidelines.

During 1989 the DWSP sampling results indicated that the Belleville Water Treatment Plant produced good quality water at the plant and this quality was maintained in the distribution system.

TABLE A

DRINKING WATER SURVEILLANCE PROGRAM BE

BELLEVILLE WTP

SUMMARY TABLE BY SCAN

11. 36 28 77 36 5 13 35 15 15 15 15 15 15 15 15 15 15 15 15 15	28 77 36 100 156 54 2 0 0 0 1 1 91 11 91 2 0 3						
13	36 36 100 35 252 222 88 2 288 156 54 2 28 156 54 2 12 0 0 1 12 0 0 1 12 0 0 1 12 11 91 12 11 91 348 2 0 3			15		4	12
15 252 222 88 243 183 75 430 384 89 411 356  288 156 54 288 136 47 564 333 59 564 308  28 168 0 0 154 0 0 168 0 0 168 0 0 168 0 0 169 0 164  29 12 0 12 0 18 0 0 0 18 0 0 16 0 16 0 0 16 0 16 0	3) 252 222 88 288 156 54 28 168 0 0 12 0 0 188 0 0 12 11 91 12 11 91 348 2 0			95		102	88
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15. 168 0 0 154 0 0 168 0 168 0 154 0 0 168 0 0 154 0 0 154	12 0 0 1 1 188 0 0 0 1 1 1 1 1 1 1 1 1 1 1			333		308	54
12 0 0 12 0 0 0	12 0 0 1 188 0 0 0 1 1 12 11 91 1 12 11 91 348 2 0 3					0	0
188   0   188   0   0   0   343   0   0   0   0   0   0   0   0   0	188 0 0 0  ICCIDES & PCB 408 0 0 0  40LICS 12 11 91  CIFIC PESTICIDES 66 0 0  ATILES 348 2 0		0				
408         0         0         343         0         0         343         0         322         0           12         11         91         12         11         91         0         0         0         0         0         0           NES         0         66         0         65         0         0         11         0         11         0           348         2         0         348         36         10         348         36         10         348         36           1814         455         1805         443         7012         863         1958         806	408 0 0 1 12 11 91 91 91 91 91 91 91 91 91 91 91 91	0 89				0	0
12 11 91 12 11 91 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 11 91 PESTICIDES 66 0 0 0 348 2 0					0	0
PESTICIDES         66         0         65         0         0         12         0         0         11         0           348         2         0         348         36         10         348         36         10         348         36           1814         455         1805         443         7012         863         1958         806	DESTICIDES 66 0 0 0 348 2 0		91	0		0	0
348         2         0         348         36         10         348         36         10         348         36           1814         455         1805         443         7012         863         1958         806	348 2 0	5 0				0	0
455 1805 443 2012 863 1958				36		36	10
	455		2013		1958	806	

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE

A ... INDICATES THAT NO SAMPLE WAS TAKEN

NO KNOWN HEALTH RELATED GUIDELINES WERE EXCEEDED

TOTAL

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#### DRINKING WATER SURVEILLANCE PROGRAM

## BELLEVILLE WATER TREATMENT PLANT 1989 ANNUAL REPORT

#### INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, there were 65 supplies being monitored.

The DWSP was initiated at the Belleville Water Treatment Plant in the spring of 1987. Annual Reports were published for 1987 and 1988 (ISSN 0840-5123).

This report contains information and results for 1989.

In order to accommodate the increasing number of plants on the DWSP and to facilitate the timely completion of the 1989 annual reports, plants with two or more years of published data will receive an abbreviated annual report. This report maintains the same general format as in previous years but does not include a comprehensive discussion of results. For more detail on the parameters analysed and discussion of results, consult the 1987 and 1988 reports.

#### PLANT DESCRIPTION

The Belleville Water Treatment Plant is a conventional treatment plant which treats water from the Bay of Quinte. The treatment process consists of coagulation, flocculation, sedimentation, filtration, fluoridation and disinfection. The plant has a design capacity of  $54 \times 1000 \text{ m}^3/\text{day}$  and sample day flows ranging from 22.7  $\times 1000 \text{ m}^3/\text{day}$  to  $40 \times 1000 \text{ m}^3/\text{day}$ . This plant serves a population of approximately 37,000.

The plant location is shown in Figure 1. Plant process details, in a block schematic, are shown in Figure 2. General plant information is presented in Table 2.

#### SAMPLING LOCATIONS

Water samples were obtained from four DWSP approved locations.

- i) Plant Raw The water originated from the lowlift discharge prior to chlorination and was sampled through a stainless steel line. The sample tap is located in the plant laboratory.
- ii) Plant Treated The water originatedfrom the clear well after addition of all treatment chemicals and was sampled through a stainless steel line. The sample tap is located in the plant laboratory.

- iii) Distribution System Site 1 This house is approximately

  4.8 kilometers from the plant. Water was sampled
  through copper plumbing from the upstairs
  bathroom tap.
- iv) Distribution System Site 2 This house is approximately 3.4 kilometers from the plant. Water was sampled through copper plumbing from the upstairs bathroom tap.

#### SAMPLING AND ANALYSIS

Plant operating personnel perform analyses on parameters for process control (Table 1).

Water at the Belleville Water Treatment Plant was sampled for approximately 180 parameters monthly in 1989. The Specific Pesticides and Chlorophenols scans were sampled for in June and November only. Polynuclear Aromatic Hydrocarbons and Phenolics are only analysed for in the raw and treated water at the plant. As of August the triazine pesticides were only analyzed in the raw and treated water. Laboratory analysis was conducted at the Ministry of the Environment facilities in Rexdale, Ontario.

# DRINKING WATER SURVEILLANCE PROGRAM SITE LOCATION MAP

BELLEVILLE WATER TREATMENT PLANT



# FIGURE 2 BELLEVILLE WATER TREATMENT PLANT

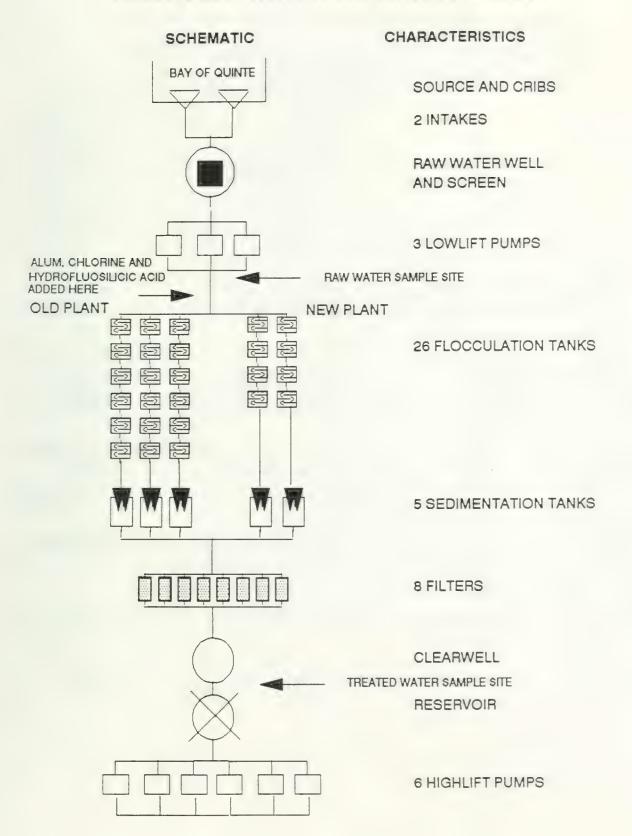


TABLE 1

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

IN-PLANT MONITORING BELLEVILLE WATER TREATMENT PLANT 1989

PARAMETER	LOCATION	FREQUENCY
Algae	Raw water well	weekly
Colour	Highlift discharge	daily
Fluoride	Raw water well Highlift disharge	daily daily
Chlorine residuals (total) (free)	Mixing chamber Highlift discharge Highlift discharge	3 hours hourly daily
Odour	Mixing chamber	weekly
рН	Raw water well Highlift discharge	daily daily
Temperature	Raw water well	daily
Turbidity	Raw water well Highlift Discharge	daily daily

#### TABLE 2

# DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT GENERAL INFORMATION

#### BELLEVILLE WATER TREATMENT PLANT

LOCATION:

SIDNEY STREET

BELLEVILLE, ONTARIO

(613-966-3651)

SOURCE:

RAW WATER SOURCE - BAY OF QUINTE

DESIGN CAPACITY:

54.5 (1000 M<sup>3</sup>/DAY)

**OPERATION:** 

MUNICIPALITY

PLANT SUPERINTENDENT:

D. MIDDLETON

MINISTRY REGION:

SOUTHEASTERN

DISTRICT OFFICER:

J. BISHOP

MUNICIPALITY

SERVED

POPULATION

BELLEVILLE

36,720

#### RESULTS

Field Chemistry measurements were recorded on the day of sampling and were entered onto the DWSP data base as submitted by plant personnel.

Table 3 contains information on the sample day retention time, flow rate and treatment chemicals used and their associated dosages.

Table 4 is a summary break-down of the number of water samples analysed by parameter and by water type. The number of times that a positive or trace result was detected is also reported.

Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment (MOE) laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analysed in the DWSP.

Associated guidelines and detection limits are also supplied on tables 5 and 6. Parameters are listed alphabetically in each scan.

#### DISCUSSION

#### General

Water quality is judged by comparison with the Ontario Drinking Water Objectives (ODWOs) as defined in the 1984

publication (ISBN 0-7743-8985-0). The Province of Ontario has health related and aesthetic objectives for 49 parameters. These are currently under review. When an ODWO is not available guidelines/limits from other agencies are consulted. The Parameters Listing System (PALIS) recently published (ISBN 0-7729-4461-X) by the MOE catalogues and keeps current over 1750 guidelines for 650 parameters from agencies throughout the world.

Many of the compounds detected are naturally occuring or are treatment by-products.

DISTRIBUTED WATER AND ADDRESSES ONLY THOSE PARAMETERS
WITH CONCENTRATIONS ABOVE GUIDELINE VALUES AND
ORGANICS WITH DETECTED POSITIVE RESULTS.

Results of treated and distributed water indicate that no applicable health related guidelines were exceeded.

#### Bacteriology

#### Standard Plate Count

The ODWO for Standard Plate Count of 500 counts/mL (indicating some deterioration) was exceeded, once in the treated water in July, three times in the Site 1 water in June, July and August and twice in the Site 2 water in July and September.

#### Inorganic and Physical Parameters

#### Colour

The aesthetic ODWO of 5.00 True Colour Units (TCU) was exceeded in the July Site 1 and Site 2 water samples.

#### Aluminum

The plant operational guideline of 100  $\mu g/L$  as Al in the water leaving the plant was exceeded eleven times in the treated water.

#### Organic Parameters

#### Tribalomethanes

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will always occur in chlorinated

waters. THMs are comprised of Chloroform, Chlorodibromomethane and Dichlorobromomethane. Bromoform occurs occasionally. Results are reported for the individual compounds as well as for total THMs. All Total THM occurrences, ranging from 78.2 to 167  $\mu$ g/L, were well below the ODWO of 350  $\mu$ g/L.

#### CONCLUSIONS

The Belleville Water Treatment plant for the sample year of 1989 produced good quality water at the plant and this was maintained in the distribution system.

No health related guidelines, for organic or inorganic parameters, were exceeded during 1987, 1988 or 1989.

TABLE 3

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WIP SAMPLE DAY CONDITIONS FOR 1989

TREATMENT CHEMICAL DOSAGES (MG/L)	PRE-CHLORINATION COAGULATION FLUORIDATION	HYDROFLUOSILICIC ACID		31.00	00.04	46.00		40.00					20.00	
S	PRE-CHL(	CHLORINE	3.25	3.85	3.60	09.4	3.85	7.60	06.4	5.10	5.00	4.10	3.40	4 10
SAMPLE DAY CONDITIONS		FLOW (1000M3)	22.7	25.0	25.5	25.0	24.0	29.5	0.07	34.1	30.0	27.2	27.0	
SAMPLE DA		DELAY TIME(HRS)	4.2	3.6	3.5	0.	0.4	3.3	0.	3.7	3.7	5.0	0.4	(
		DATE	JAN 04	FEB 07	MAR 07	APR 04	MAY 02	30 NUL	JUL 05	AUG 09	SEP 06	OCT 03	TO VOH	

\* THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

SCAN   PARAMETER   TOTAL POSITIVE TRACE   TOTAL COLLIDOR HF   12				RAW		_	TREATED		0,	SITE 1			SITE 2		
FECAL COLIFORM MF 12 8 0	SCAN	PARAMETER	TOTAL	POSITIV	E TRACE		POSITIVE	TRACE	TOTAL	POSITIVE	TRACE		POSITIVE	TRAC	щ
STANDRO PLATE CNT MF	BACTERIOLOGICAL	FECAL COLIFORM MF	12		) )   			٠	٠		1 1 1 1	•			
TOTAL COLIFORM MF 12 8 0 12 1 0 12 1 1 0 11 1 1 1 1 1 1 1 1 1			۰		٠	12	2	0	=	2		11			0
T COLIFORM BCKGRD MF 12 12 0 12 2 0 12 9 0 11 0  TERIOLOGICAL  36 28 0 36 5 0 35 15 0 33 4  CTERIOLOGICAL  5 28 0 36 5 0 35 15 0 33 4  CTERIOLOGICAL  5 2 0 35 15 0 33 4  CTERIOLOGICAL  5 2 0 35 15 0 33 4  CTERIOLOGICAL  5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		TOTAL COLIFORM MF	12					0	12	-		11		_	0
FER IOLOGICAL  TER IOLOGICAL  S 6 28 0 36 5 0 35 15 0 33 4  CTER IOLOGICAL  S 6 28 0 36 5 0 35 15 0 33 4  CTER IOLOGICAL  S 7 28 0 35 15 0 33 4  CTER IOLOGICAL  S 7 28 0 35 15 0 33 4  CTER IOLOGICAL  FLD CHLORINE (COMB)  S 7 12 12 12 12 0 24 24 24 24 24  FLD THE CHLORINE (TOTAL)  S 7 12 12 12 12 12 12 12 12 12 12 12 12 12			12						12	•		=		_	0
CTERIOLOGICAL   36   28   0   36   5   0   35   15   0   33   4	*TOTAL SCAN BACTER	10L0G1CAL	36						35	15		33			0
FLD CHLORINE (COMB)  FLD CHLORINE (COMB)  FLD CHLORINE FREE  FLD CHLORINE (TOTAL)  FLD C	*TOTAL GROUP BACTE	RIOLOGICAL	36						35	15		33			0
FLD CHLORINE FREE	CHEMISTRY (FLD)	FLD CHLORINE (COMB)				12	12		22	19		54			0
HLORINE (TOTAL)		FLD CHLORINE FREE	۰			12	12		20	6		18		~	0
HHOFTATURE 12 12 0 12 12 0 24 24 24 24 24 24 24 24 24 24 24 24 24		FLD CHLORINE (TOTAL)	٠			12			23	20				~	0
EMPERATURE         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         24         24         24           URBIDITY         36         36         36         12         72         0         112         95         0         115         102           INITY         12         12         12         12         0         24         24         0         13         23           DE         12         12         12         12         12         0         24         24         0         23         23           DE         12         12         12         12         0         12         0         12         0         24         24         0         23         23           IDE         12         12         12         12         12         0         24         24         0         23         23           IR         12         12         12         10         24         24         0         23         23           IR         12         12		FLD PH	12				12		54	54					0
NRBIDITY   12   12   0   12   12   0		FLD TEMPERATURE	12						23	23		24			0
36         36         0         72         72         0         112         95         0         115         102           INITY         12         12         0         12         12         0         24         24         0         23         23           UM         12         12         0         12         12         0         24         24         0         23         23           DE         12         12         0         12         12         0         24         24         0         23         23           IDE         12         12         12         12         0         24         24         0         23         23           R         12         12         12         12         12         0         24         24         0         23         23           ICTIVITY         12         12         0         12         12         0         24         24         0         23         23           STA         24         24         24         0         23         23         23		FLD TURBIDITY	12						٠	•	٠	•			
ALKALINITY 12 12 0 12 12 0 24 24 0 23 23 CALCIUM 12 12 0 12 12 0 24 24 0 23 23 CYANIDE 12 12 0 12 12 0 24 24 0 23 23 CHLORIDE 12 12 0 11 0 0 12 0 12 0 12 0 0 12 0 0 0 0	*TOTAL SCAN CHEMIS	TRY (FLD)	36						112	95				O.	0
ALKALINITY  ALKALINITY  12 12 0 12 12 0 24 24 0 23 23 23 CALCIUM  12 12 0 11 0 0 12 12 0 24 24 0 23 23 23 23 CYANIDE  CYANIDE  12 12 0 11 10 0 12 12 0 12 12 0 13 23 23 CONDUCTIVITY  12 12 0 12 12 0 13 23 23											0		6 0 0 0 0		
12 12 0 12 12 0 24 24 0 23 23 23 12 0 12 0 0 12 0 0 12 0 0 12 0 12	CHEMISTRY (LAB)	ALKALINITY	12	-	2 0		12		54	54				~	0
12 0 0 11 0 0 12 0 0 12 0 0 12 0 12 12 12 12 12 12 12 12 12 14 12 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15		CALCIUM	12	-					54	57					0
12 12 0 12 12 0 24 24 0 23 23 13 14 12 12 0 12 24 24 0 23 23 14 17 12 12 0 12 12 0 24 24 0 23 23 13 14 12 12 0 24 24 0 23 23		CYANIDE	12						12	0				0	0
12 12 0 12 10 2 24 24 0 23 23 12 12 0 12 12 0 24 24 0 23 23		CHLORIDE	12						57	54				ю.	0
12 12 0 12 12 0 24 24 0 23 23		COLOUR	12						54	24				80	0
		CONDUCTIVITY	12						54	54				<b>x</b>	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

		SITE	RAN		TRE	TREATED		SITE	in ←		SI	SITE 2	
SCAN	PARAMETER	TOTAL	POSITIVE TRACE	TRACE	TOTAL PI	TOTAL POSITIVE TRACE	RACE	TOTAL POSITIVE TRACE	SITIVE	RACE	TOTAL P	TOTAL POSITIVE	TRACE
CHEMISTRY (LAB)	FLUORIDE	12	-	-	12	12	0	54	24	0	54	57	
	HARDNESS	12	12	0	12	12	0	54	57	0	23	23	
	IONCAL	12	12	0	12	12	0	54	57	0	57	23	
	LANGELIERS INDEX	12	12	0	7	4	0	10	0	0	9	9	
	MAGNESTUM	12	12	0	12	12	0	54	57	0	23	23	
	SOUTUM	12	12	0	12	12	0	24	57	0	23	23	
	AMMONIUM TOTAL	12	11	0	12	7	2	54	21	2	23	12	
	MITRITE	12	10	2	12	-	0	54	0	21	23	0	<b></b>
	TOTAL NITRATES	12	80	M	12	80	2	54	18	7	23	15	2
	NITROGEN TOT KJELD	12	12	0	12	12	0	54	57	0	23	23	
	Hd	12	12	0	12	12	0	54	54	0	23	23	
	PHOSPHORUS FIL REACT	12	M	7	12	0	M	٠	۰	•	٠	٠	
	PHOSPHORUS TOTAL	12	11	0	12	0	11	٠	a	0	٠	٠	
	SULPHATE	12	12	0	12	12	0	57	54	0	23	23	0
	TURBIDITY	12	12	0	12	12	0	54	57	0	23	23	
*TOTAL SCAN CHEMISTRY (LAB)	(LAB)	252	222	13	243	183	32	430	384	28	411	356	32
METALS	SILVER	12	0	2	12	0	2	54	0	12	24	0	1
	ALUMINUM	12	12	0	12	12	0	54	54	0	54	24	
	ARSENIC	12	7	80	12		10	54	2	22	57	7	20
	BARIUM	12	12	0	12	12	0	54	54	0	54	57	
	BORON	12	11	-	12	=	-	54	20	7	54	20	
	BERYLLIUM	12	0	0	12	0	6	24	2	16	54	-	2

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

		3115	DAU		1	TREATED		S	SITE 1			SITE 2	
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL	TOTAL POSITIVE TRACE	TRACE		TOTAL POSITIVE TRACE	TRACE
		12	0	9	12	0	м	77		8		0	-
METALS	CORALT	12	0	11	12	0	10	54	,-	1 22		0	16
	Tagoni.	12	12	0	12	11	-	24	2				0
	COOPED	12	7	10	12	2	7	54	54	0 5	54	57	
	I DOM	12	60	3	12	-	7	54	23	3 1	54		-
	MERCIIRY	12	0	М	12	0	15	12	80		12		4
	TANCONE	12	12	0	12	12	0	54					
	MOI VEDENIM	12	2	7	12	<b>V</b>	2 2	57	14	4 10	77	14	10
	MICKE	12	0	9	12	0		54					
		12	12	0	12	4	1 7	54	18	8			
	AHIIMONA	12	12		12	12	2	54	54			, 54	
	WILL HAVE SEE	12	. 0		12		9	54		1 13		0	
	STRUM	1.5	12		12	12	2 0	24		24 0	77 (	77 5	
	TOTAL TOTAL	12	12		12		0	54		24 0			
	TO INC.	1,5			12		0	54		2 6		**	- '
	INAELION.	1 5	10		12	,- 1	9	24		2 21		4 2	
	CRANICA	1 5			12		9	24		16 8	3 24	4 18	3 6
	ZINC	12	0,0	. ~	12	12		54		23 1	1 24	75 7	
		288	156		288	136	76 97	564	333	158	8 564	4 308	3 162
*TOTAL GROUP INORGANIC & PHYSICAL	IIC & PHYSICAL	576	414	8 8				1106			901 9		5 194
	SAST CAN TO COLOR OF THE CAN T	- 2	0	0		1		12			11	8 8 8 4 8	
CHLUKUAKUMATIUS	ACALCACOCOCCACACACACACACACACACACACACACAC	42			**		0				11		0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

134   14   14   14   14   14   14   14			SITE			,	4 1 1 1		•					
1235 T-CHLOROGENZENE 12 0 0 11 0 0 12 0 0 11 1 1 1 1 1 1 1 1	SCAN	PARAMETER	TOTAL	POSITIVE	TRACE		POSITIVE	TRACE	TOTAL	POSITIVE	TRACE		SITE 2 POSITIVE	TRACE
12         0         0         11         0         0         12         0         0         11           12         0         0         11         0         0         12         0         0         11           12         0         0         11         0         0         12         0         0         11           12         0         0         11         0         0         12         0         0         11           12         0         0         11         0         0         12         0         0         11           12         0         0         11         0         0         12         0         0         11           12         0         0         11         0         0         12         0         0         11           12         0         0         11         0         0         12         0         0         11           12         0         0         11         0         0         0         0         11           12         0         0         154         0         0         0	CHLOROAROMATICS	1234 T-CHLOROBENZENE	12		0	11	0	0	12	0	0	1	0	0
124 TRICHLOROGENZENE   12   0   0   11   0   0   12   12   1		1235 T-CHLOROBENZENE	12	0	0	=	0	0	12	0	0	11	0	0
1245 T-CHLOROBENZENE 12 0 0 11 0 0 12 0 0 11 135 TRICHLOROBENZENE 12 0 0 11 0 0 12 0 0 11 HGRACHLOROBENZENE 12 0 0 11 0 0 12 0 0 11 HEXACHLOROBENZENE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROSTOLUGNE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROTOLUGNE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROTOLUGNE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROTOLUGNE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROTOLUGNE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROPHENOL 2 0 0 154 0 0 154 0 15  2345 T-CHLOROPHENOL 2 0 0 0 2 0 0 15  2345 T-CHLOROPHENOL 2 0 0 0 2 0 0 0 1  245-TRICHLOROPHENOL 2 0 0 0 2 0 0 0 1  246-TRICHLOROPHENOL 2 0 0 0 2 0 0 0 1  246-TRICHLOROPHENOL 2 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0		124 TRICHLOROBENZENE	12	0	0		0	0	12	0	0	11	0	0
135 TRICHLOROGENZENE   12		1245 T-CHLOROBENZENE	12	0	0	=	0	0	12	0	0	11	0	0
HCB HCRACKLOROETHANE 12 0 0 11 0CTACKLOROETHANE 12 0 0 11 0CTACKLOROETHANE 12 0 0 11 0 11 0 0 12 12 13 14 00 15 15 0 0 11 0 0 11 0 0 11 0 0 11 15 0 0 11 11 0 0 11 12 0 0 11 11 0 0 11 12 13 14 14 15 16 0 0 11 11 0 0 11 12 0 0 11 11 0 0 11 12 13 14 14 14 15 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		135 TRICHLOROBENZENE	12	0	0	11	0	0	12	0	0	11	0	0
HEXACHLOROSETHANE 12 0 0 11 0 0 12 0 0 11  OCTACHLOROSTYRENE 12 0 0 111 0 0 12 0 0 11  PENTACHLOROSIVENE 12 0 0 111 0 0 12 0 0 11  236 TRICHLOROTOLUENE 12 0 0 111 0 0 12 0 0 11  245 TRICHLOROTOLUENE 12 0 0 111 0 0 12 0 0 11  246 TRICHLOROTOLUENE 12 0 0 111 0 0 12 0 0 11  246 TRICHLOROTOLUENE 12 0 0 154 0 158 0 154  234 TRICHLOROPHENOL 2 0 0 2 0 0 154  235 T-CHLOROPHENOL 2 0 0 0 2 0 0 0 154  245-TRICHLOROPHENOL 2 0 0 0 2 0 0 0 154  246-TRICHLOROPHENOL 2 0 0 0 2 0 0 0 154  246-TRICHLOROPHENOL 2 0 0 0 2 0 0 0 0 154  PENTACHLOROPHENOL 2 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0		HCB	12	0	0	11	0	0	12	0		11	0	0
OCTACHLOROSTYRENE         12         0         11         0         12         0         11         0         0         12         0         0         11         0         0         12         0         0         11         0         0         12         0         0         11         0         0         12         0         0         11         0         0         12         0         0         11         0         0         12         0         0         11         0         0         12         0         0         11         0         0         12         0         0         11         0         0         12         0         0         11         0         0         11         0         0         11         0         0         11         0         0         11         0         0         0         11         0         0         11         0 </td <td></td> <td>HEXACHLOROETHANE</td> <td>12</td> <td></td> <td>0</td> <td>11</td> <td>0</td> <td>0</td> <td>12</td> <td>0</td> <td>0</td> <td>11</td> <td>0</td> <td>0</td>		HEXACHLOROETHANE	12		0	11	0	0	12	0	0	11	0	0
PENTACHLOROBENZENE 12 0 0 11 0 0 12 0 0 11  236 TRICHLOROTUGNEE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROTUGNEE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROTUGNEE 12 0 0 11 0 0 12 0 0 11  245 TRICHLOROTUGNEE 12 0 0 11 0 0 12 0 0 12  245 TRICHLOROTUGNEE 12 0 0 154 0 168 0 154  234 TRICHLOROPHENOL 2 0 0 2 0 0 0 154  234 TRICHLOROPHENOL 2 0 0 0 2 0 0 0 154  2355 T-CHLOROPHENOL 2 0 0 0 2 0 0 0 1 0 1 0 154  245-TRICHLOROPHENOL 2 0 0 0 2 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0		OCTACHLOROSTYRENE	12			- 11	0	0	12	0		11	0	0
236 TRICHLOROTOLUENE         12         0         0         11         0         0         12         0         0         11           245 TRICHLOROTOLUENE         12         0         0         11         0         0         12         0         0         11           26A TRICHLOROTOLUENE         12         0         0         11         0         0         12         0         0         11           1LOROAROMATICS         168         0         0         154         0         0         154         0         0         154           234 TRICHLOROPHENOL         2         0         0         2         0         0         154         0         0         154           2345 T-CHLOROPHENOL         2         0         0         2         0		PENTACHLOROBENZENE	12	0	0	11	0	0	12	0		11	0	0
245 TRICHLOROTOLUENE         12         0         0         11         0         0         12         0         0         11           26A TRICHLOROTOLUENE         12         0         0         11         0         0         12         0         0         11           4LOROAROMATICS         168         0         0         154         0         0         168         0         154           234 TRICHLOROPHENOL         2         0         0         2         0         0         154           2345 T-CHLOROPHENOL         2         0         0         2         0 <td< td=""><td></td><td>236 TRICHLOROTOLUENE</td><td>12</td><td>0</td><td>0</td><td>11</td><td>0</td><td>0</td><td>12</td><td>0</td><td>0</td><td>11</td><td>0</td><td>0</td></td<>		236 TRICHLOROTOLUENE	12	0	0	11	0	0	12	0	0	11	0	0
26A TRICHLOROTOLUENE         12         0         11         0         12         0         11           4LORDAROMATICS         168         0         154         0         0         168         0         0         154           234 TRICHLOROPHENOL         2         0         0         2         0         0         154           2345 T-CHLOROPHENOL         2         0         0         2         0         0         1         1           2356 T-CHLOROPHENOL         2         0         0         2         0         0         1         1         1           245-TRICHLOROPHENOL         2         0         0         0         0         0         1         1         1         1           246-TRICHLOROPHENOL         2         0		245 TRICHLOROTOLUENE	12	0	0	-	0	0	12	0	0	11	0	0
168   0   154   0   168   0   154   0   168   0   154   15		26A TRICHLOROTOLUENE	12	0	0	=	0	0	12	0	0	11	0	0
234 TRICHLOROPHENOL       2       0       0       2       0       0       2       0       0       2       0       0       2       0       0       2       0	OTAL SCAN CHLORG	DAROMATICS	168	0	0	154		0	168	0	0	154	0	
234 TRICHLOROPHENOL       2       0       0       2       0       0       2       0       0       2       0       0       2       0       0       2       0       0       2       0														
5 T-CHLOROPHENOL 2 0 0 2 0 0 0	LOROPHENOLS	234 TRICHLOROPHENOL	2		0	2	0	0		t 0 t t	6 0 1 2 6			
S T-CHLOROPHENOL 2 0 0 2 0 0 0		2345 T-CHLOROPHENOL	2	0	0	2	0	0			۰	٠	۰	
-TRICHLOROPHENOL 2 0 0 2 0 0 0		2356 T-CHLOROPHENOL	2	0	0	2	0	0		۰	٠	۰	•	
TACHLOROPHENOL 2 0 0 2 0 0 0		245-TRICHLOROPHENOL	2	0	0	2	0	0	0	٠	۰	٠	•	
(ACHLOROPHENOL 2 0 0 2 0 0 0		246-TRICHLOROPHENOL	2			2	0	0	۰	٠	٠	٠	•	
12 0 0 12 0 0 0 0 0 0 0		PENTACHLOROPHENOL	2	0.		2	0 .	0	٠	٠	۰	e	٠	
12 0 0 12 0 0 0 0 0			4					(	•	•	1			
	UTAL SCAN CHLUKE	PHENOLS	71			12		0	0	0	0	0		0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

		SITE	DAU		TR	TREATED		•	SITE 1		SITE 2	2	
SCAN	PARAMETER	TOTAL P	TOTAL POSITIVE TRACE	TRACE	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL POSITIVE		TRACE
		12	0	0	12	0	0	0	0	0	0	0	0
PAH	ANTIDACENE	1 2	0	0	12	0	0	0	0	0	0	0	0
	FLINDANTHEME	12	0	0	12	0	0	0	0	0	0	0	0
	DYBENE	12	0	0	12	0	0	0	0		0	0	0
	RENZOCANANTHRACENE	12	0	0	12	0	0	0	0		0	0	0
	CHEVENE	12	0	0	12	0	0	0	0		0	0	0
	DIMETH BENZ(A)ANTHR	M	0	0	M	0	0	0	0	0	0	0	0
	RENZO(E) PYRENE	12	0	0	12	0	0	0	0		0	0	0
	BENZO(B) FLUORANTHEN	12	0	0	12	0	0	0	0	0	0	0	0
	PERVIENE	12	0	0	12	0		0	0		0	0	0
	RENZOCKY FILLORANTHEN	12	0	0	12	0	0	0	0	0	0	0	0
	RENZO(A) PYRENE	5	0	0	5	0	0	0		0	0	0	0
	BENZOCE H I) PERVIEW	12	0	0	12		0 0	0	0	0	0	0	0
	DIRENZOCA H) ANTHRAC	12	0	0	12		0 0	0		0	0	0	0
		12	0	0	12		0 0	0	0	0	0	0	0
	BENZOCKY CHRYSENE	12	0	0	12		0 0	0	0	0	0	0	0
	CORONENE	12	0	0	12		0 0	0	0	0	0	0	0
*TOTAL SCAN PAH		188	0	0	188		0	0	0	0	0	0	0
	N COURT	12	0	0	1		0 0	12	0	0	11	0	0
ESTICIDES & res	A DHA BHC	12	0	2	11		0	12	0	2	11	0	2
	SET BHC	12	0		11		0 0	12			11	0	0
	LINDANE	12	0		11		0	12	0	1	11	0	_

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

PESTICIDES & PCB

SCAN

PARAMETER AIDHA CHINDDANE							,	9 4000			6 8 8 8 8	
ALDHA CHI DONANE	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL	SILE I TOTAL POSITIVE TRACE	TRACE		SITE 2 TOTAL POSITIVE TRACE	TRACE
	12	0	0	=	0	0	12	0	0	11	0	0
GAMMA CHLORDANE	12	0	0	11	0	0	12	0	0	11	0	0
DIELDRIN	12	0	0	1	0	0	12	0	0	11	0	0
METHOXYCHLOR	12	0	0	11	0	0	12	0	0	11	0	0
ENDOSULFAN 1	12	0	0	11	0	0	12	0	0	11	0	0
ENDOSULFAN 11	12	0	0	11	0	0	12	0	0	11	0	0
ENDRIN	12	0	0	11	0	0	12	0	0	11	0	0
ENDOSULFAN SULPHATE	12	0	0	11	0	0	12	0	0	11	0	0
HEPTACHLOR EPOXIDE	12	0	0	11	0	0	12	0	0	11	0	0
HEPTACHLOR	12	0	0	11	0	0	12	0	0	11	0	0
MIREX	12	0	0	11	0	0	12	0	0	11	0	0
OXYCHLORDANE	12	0	0	11	0	0	12	0	0	11	0	0
OPODT	12	0	0	11	0	0	12	0	0	11	0	0
PC8	12	0	0	1	0	0	12	0	0	11	0	0
000	12	0	0	11	0	0	12	0	0	11	0	0
PPODE	12	0	0	11	0	0	12	0	0	11	0	
PPDDT	12	0	0	1	0	0	12	0	0	=	0	0
AMETRINE	12	0	0	12	0	0	7	0	0	7	0	0
ATRAZINE	12	0	0	12	0	0	7	0	0	7	0	
ATRATONE	12	0	0	12	0	0	7	0	0	7	0	0
CYANAZINE (BLADEX)	12	0	0	12	0	0	7	0	0	7	0	0
D-ETHYL ATRAZINE	12	0	0	12	0	0	7	0	0	7	0	0
D-ETHYL SIMAZINE	12	0	0	12	0	0	7	0	0	7	0	0
PROMETONE	12	0	0	12	0	0	7	0	0	7	0	0
PROPAZINE	12	0	0	12	0	0	7	0	0	7	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

		1 101	RAW TOTAL POACE	10401	TOTAL	TREATED	TOACE	S	SITE 1	ACE.	SITE 2	TDA	'n.
SCAN	LAKARE LEA	0 7											B R
PESTICIDES & PC8	PROMETRYNE	12	0	0	12	0	0	7	0	0	7	0	0
	METRIBUZIN (SENCOR)	12	0	0	12	0	0	7	0	0	7	0	0
	SIMAZINE	12	0	0	12	0	0	7	0	0	7	0	0
	ALACHLOR (LASSO)	12	0	0	12	0	0	7	0	0	7	0	0
	METOLACHLOR	12	0	0	12	0	0	7	0	0	7	0	0
*TOTAL SCAN PESTICIDES & PCB	ES & PCB	408	0	7	387	0	2	343	o	M	322	0	M
PHENOLICS	PHENOLICS	12	-	-	12	11	-	0	D	0	0	0	0
*TOTAL SCAN PHENOLICS	8	12	11	-	12	11	-	0	0	0	0	0	0
SPECIFIC PESTICIDES	TOXAPHENE	12	0	0	11	0	0	12	0	0	11	0	0
	2,4,5-1	2	0	0	N	0	0	٠				•	٠
	2,4-0	2	0	0	2	0	0	٠	٠	٠	•		٠
	2,4-08	2	0	0	2	0	0	٠	٠	٠	٠		0
	2,4 D PROPIONIC ACID	2	0	0	2	0	0	٠	٠	٠	٠		٠
	DICAMBA	2	0		2		0	٠	٠	٠	٠	•	•
	PICHLORAM	0	0	0	0		0	٠	٠	•			۰
	SILVEX	2	0	0	2	0	0	٠	٠	٠	٠		•
	DIAZINON	2	0	0	2		0	٠	•	•	•		٠
	DICHLOROVOS	2			2	0	0	٠	٠	٠		•	•
	6000	0	•	•	•		•						

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

(1989)
RESULTS
OF
TABLE
SUMMARY

			0.10		TOCATED	TEN		0	CITE 1	U	CITE 2	
SCAN	PARAHETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE	SITIVE	rrace	TOTAL	TOTAL POSITIVE TRACE		TOTAL POSITIVE TRACE	race .
SPECIFIC PESTICIDES	ETHION	2	0	0	2	0	0			٠	٠	
		0	0	0	0	0	0	٠	٠	۰	٠	٠
	MALATHION	2	0	0	2	0	0	٠		٠	٠	٠
	MEVINPHOS	2	0	0	2	0	0	٠	٠	۰	٠	٠
	METHYL PARATHION	2	0	0	2	0	0	٠	•	٠	٠	٠
	METHYLTRITHION	2	0	0	2	0	0	٠		٠	٠	٠
	PARATHION	2	0	0	2	0	0	•	•	٠	٠	٠
	PHORATE	2	0		2	0	0	٠		•		٠
	RELDAM	2	0	0	2	0	0	٠		•	٠	
	RONNEL	2	0		2	0	0	٠	•	٠	٠	•
	AMINOCARB	-	0	0	_	0	0	٠		٠	٠	
	BENONYL	-	0		-	0	0	٠		٠	٠	0
	BUX	0	0		0	0	0	٠	٠	٠	٠	
	CARBOFURAN	2	0	0	2	0	0	٠	•		٠	٠
	CICP	2	0	0	2	0	0	۰	٠	٠	٠	۰
	DIALLATE	2	0	0	2	0	0	٠		٠	٠	•
	EPTAM	2	0	0	2	0	0	۰		٠	٠	٠
	IPC	2	0	0	2	0	0	۰	٠	٠	•	
	PROPOXUR	2	0	0	2	0	0	٠	٠	٠	٠	٠
	CARBARYL	2	0	0	2	0	0	۰		٠	٠	٠
	BUTYLATE	2	0	0	2	0	0	۰	•	•	4	0
*TOTAL SCAN SPECIFIC PESTICIDES	C PESTICIDES	%	0	0	59	0	0	12	0 0	11	0	0
0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0	0 0 3 0 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1		***************************************	9 9 0
VOLATILES	BENZENE	12	0	_	12	0	-	12	0	12	0	~

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

SCAN

	SITE											
PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TOTAL	TREATED TOTAL POSITIVE TRACE	TRACE	TOTAL	SITE 1 TOTAL POSITIVE TRACE	TRACE	SI TOTAL P	SITE 2 TOTAL POSITIVE TRACE	TRACE
TOLUENE	12	0	N	12	0	7	12	0	2	12	0	4
ETHYLBENZENE	12	0	-	12	0	9	12	0	-	12	0	-
P-XYLENE	12	0	0	12	0	0	12	0	0	12	0	0
M-XYLENE	12	0	0	12	0	-	12	0	-	12	0	0
O-XYLENE	12	0	-	12	0	M	12	0	2	12	0	-
STYRENE	12	0	5	12	0	9	12	0	80	12	0	0
1,1 DICHLOROETHYLENE	12	0	0	12	0	0	12	0	0	12	0	0
METHYLENE CHLORIDE	12	0	0	12	0	0	12	0	0	12	0	0
T1, 201CHLOROETHYLENE	12	0	0	12	0	0	12	0	0	12	0	0
1,1 DICHLOROETHANE	12	0	0	12	0	0	12	0	0	12	0	0
CHLOROFORM	12	2	٥	12	12	0	12	12	0	12	12	0
111, TRICHLOROETHANE	12	0	5	12	0	-	12	0	***	12	0	-
1,2 DICHLOROETHANE	12	0	0	12	0	0	12	0	0	12	0	0
CARBON TETRACHLORIDE	12	0	0	12	0	0	12	0	0	12	0	0
1,2 DICHLOROPROPANE	12	0	0	12	0	0	12	0	0	12	0	0
TRICHLOROETHYLENE	12	0	0	12	0	0	12	0	0	12	0	0
DICHLOROBROMOMETHANE	12	0	-	12	12	0	12	12	0	12	12	0
112 TRICHLOROETHANE	12	0	0	12	0	0	12	0	0	12	0	0
CHLOROO I BROHOMETHANE	12	0	0	12	0	11	12	0	10	12	0	0
T-CHLOROETHYLENE	12	0		12	0	M	12	0	M	12	0	2
BROMOFORM	12	0	0	12	0	0	12	0	0	12	0	0
1122 T-CHLOROETHANE	12	0	0	12	0	0	12	0	0	12	0	0
CHLOROBENZENE	12	0	0	12	0	0	12	0	0	12	0	0
1,4 DICHLOROBENZENE	12	0	0	12	0	0	12	0	0	12	0	0
1,3 DICHLOROBENZENE	12	0	0	12	0	0	12	0	0	12	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE

SUMMARY TABLE OF RESULTS (1989)

		SITE	RAW RAW	4	To To T	TREATED	4	0,	SITE 1		TREATED SITE 1 SITE 2	2	
1 0 0 0	TARABETER		10011111111111111111111111111111111111	IKACE		LOST I AC	INACE		L COLLING	KACE	TOTAL PUS	111VE	KACE
VOLATILES	1,2 DICHLOROBENZENE ETHLYENE DIBROMIDE	12	0 0	00	12	0 0	0 0	12	0 0	0 0	12	0 0	0 0
	TOTL TRIHALOMETHANES	12	0	9	12	12	0	12	12	0	12	12	0
*TOTAL SCAN VOLATILES		348	2	32	348		39	348	36	32	348	36	30
*TOTAL GROUP ORGANIC		1202	13	37	1166	27	75	871	36	35	835	36	33
TOTAL		1814	455	132	1805	743	121 277	2012	863	221	1958	806	227

#### KEY TO TABLE 5 and 6

- A ONTARIO DRINKING WATER OBJECTIVES (ODWO)
  - 1. Maximum Acceptable Concentration (MAC)
  - 1+. MAC for Total Trihalomethanes
  - 1\*. MAC for Bacteriological Analyses

Poor water quality is indicated when:

- total coliform counts > 0 < 5
- P/A Bottle Test is present after 48 hours
- Aeromonas organisms are detected in more than 25% of samples in a single submission or in successive submissions from the same sampling site
- Pseudomonas Aeruginosa, Staphylococcus Aureus and members of the Fecal Streptococcus group should not be detected in any sample
- Standard Plate Count should not exceed 500 organisms per ml at 35 °C within 48 hours
- 2. Interim Maximum Acceptable Concentration (IMAC)
- 3. Maximum Desirable Concentration (MDC)
- 4. Aesthetic or Recommended Operational Guideline
  - hardness levels between 80 and 100 mg/L as calcium carbonate are considered to provide an acceptable balance between corrosion and incrustation, water supplies with a hardness >200 mg/L are considered poor and those in excess of 500 mg/L are unacceptable.
- B HEALTH & WELFARE CANADA (H&W)
  - 1. Maximum Acceptable Concentration (MAC)
  - 2. Proposed MAC
  - 3. Interim MAC
  - 4. Aesthetic Objective (AO) (for xylenes, a total)
- C WORLD HEALTH ORGANIZATION (WHO)
  - 1. Guideline Value (GV)
  - 2. Tentative GV
  - 3. Aesthetic GV
- D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
  - 1. Maximum Contaminant Level (MCL)
  - Suggested No-Adverse Effect Level (SNAEL)
  - 3. Lifetime Health Advisory
  - 4. EPA Ambient Water Quality Criteria
  - 5. Maximum Contaminant Level Goal (MCLG)
- F EUROPEAN ECONOMIC COMMUNITY (EEC)
  - 1. Health Related Guideline Level
  - 2. Aesthetic Guideline Level
  - 3. Maximum Admissable Concentration (MADC)
- G CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE
- H USSR MAXIMUM PERMISSIBLE CONCENTRATION
- I NEW YORK STATE AMBIENT WATER GUIDELINE
- N/A NONE AVAILABLE

#### INTERPRETATION OF DATA

The interpretation of analytical results that are obtained from measurements near the limit of detection of the measurement process is subject to greater uncertainty than those at higher concentrations. The principle areas of concern relate to whether the substance has actually been detected, whether it has been properly identified, and whether it is an artifact of the measurement process. In other words, false positives can be caused by the instrumentation or the test procedures used, when in fact these compounds are not present in the sample.

There are several methods to treat data from such measurements:

1. Exclude the low-level data because of this uncertainty factor. However, studies of long-term environmental trends and modelling may be adversely affected by exclusion of such data.

2. Qualify these data so the user is aware of the greater

uncertainty associated with their use.

For the Drinking Water Surveillance Program, measurements near the limit of detection of the measurement process are reported qualified by the code "<T". Results quantified by "W" indicate a zero measurement. These results are reported for purposes of modelling and long-term trend analysis and no significance should be attributed to a single determination of a substance below "T" (a single determination may well be a false positive). Repeat analysis or additional data are needed before it can be stated with certainty that the substance in question was truly present. On the other hand, it is less likely that repeated detection of a substance at or near the limit of detection at a specific location is solely due to an artifact in the measurement system, and more likely represents a true positive. However the average of such data is still only an estimate of the amount of substance present subject to the possible biases of the method used.

#### LABORATORY RESULTS, REMARK DESCRIPTIONS

•	No Sample Taken
BDL	Below Minimum Measurable Amount
<t< td=""><td>Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)</td></t<>	Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)
>	Results Are Greater Than The Upper Limit
<=>	Approximate Result
! AW	No Data: Analysis Withdrawn
!CR	No Data: Could Not Confirm By Reanalysis
!cs	No Data: Contamination Suspected
!IL	No Data: Sample Incorrectly Labelled
!IP	No Data: Insufficient Preservative
!IS	No Data: Insufficient Sample

```
No Data: Laboratory Accident
! LA
          No Data: Test Queued After Sample Discarded
!LD
          No Data: No Authorization To Perform Reanalysis
! NA
         No Data: No Procedure
! NP
          No Data: Sample Not Received
! NR
          No Data: Obscured Plate
!OP
          No Data: Quality Control Unacceptable
! QU
          No Data: Procedural Error - Sample Discarded
!PE
          No Data: Sample pH Outside Valid Range
!PH
          No Data: Received Empty
!RE
          No Data: See Attached Report (no numeric results)
!RO
          No Data: Sample Missing
! SM
          No Data: Send Separate Sample Properly Preserved
!SS
          No Data: Indeterminant Interference
!UI
          No Data: Time Expired
!TX
          Approximate, Total Count Exceeded 300 Colonies
A3C
          Additional Peak, Large, Not Priority Pollutant
APL
          Additional Peak, Less Than, Not Priority Pollutant
APS
          Possible Contamination, Improper Cap
CIC
          Calculated Result Only
CRO
          Test Performed On Preserved Sample
PPS
          P and M-Xylene Not Separated
RMP
RRV
          Rerun Verification
RVU
          Reported Value Unusual
          Several Peaks, Small, Not Priority Pollutant
SPS
          Unreliable: Could Not Confirm By Reanalysis
UCR
          Unreliable: Contamination Suspected
UCS
          Unreliable: Indeterminant Interference
UIN
```

Positive After X Number of Hours

XP

TABLE 5

RAW TREATED SITE 1 SITE 2

#### DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW	IKEATED	2115 1		2115 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	BACTERIO	DLOGICAL				
ECAL COLI	FORM MF (CT/100)		DET'N L	IMIT = 0	GUIDELINE =	0 (A1)
MAL	1 124			•	•	•
FEB	4 T24	•			•	•
MAR	0 T24	•			•	•
APR	0 T48				•	•
MAY	0	•			•	•
JUN	10				•	
JUL	4	•	0		•	
AUG	2	•	•		•	•
SEP	12		•		•	•
OCT	BDL	•	•		•	•
NOV	3				•	•
DEC	3	•	•		•	•
TANDRD PL	ATE CNT MF (	)	DET N L	IMIT =	GUIDELINE =	
JAN		1 <=>	•	6	<=> .	0 <
FEB	•	2 <=>		2	<=> .	3 •
MAR	•	3 <=>		0	<=> .	0 •
APR	•	0 <=>		4	<=> .	1 •
MAY	•	1 <=>		7	<=> .	1 <
JUN	•	0 <=>	•	580	•	
JUL	•	3020		580	•	1170
AUG	•	170		12000	•	250
SEP	•	3 <=>	•	!LA	•	2400 >
OCT	٠	1 <=>	•	65	•	30 <
NOV	•	0 <=>		10	•	2 <
DEC	•	0 <=>	•	3	<=> .	0 <
OTAL COLII	FORM MF (CT/100M	L)	DET'N LI	MIT = 0	GUIDELINE =	5/100HL(A1)
JAN	600 A3C	0 T24		0	T24 .	0 1
FEB	13000 R48	1 124				0 1
MAR	22 R48	0 T24			T24 .	0 1
APR	260 A3C	0 124			T24 .	0 1
MAY	10 A3C	0	•		164	0
JUN	BDL	0	•	_	A3C .	
JUL	. BDL	0	•		A3C .	0
AUG	BDL	0		BDL		0
SEP	12 A3C	0	٠		A3C .	0
OCT	12 A3C	0	٠		A3C .	2
NOV	30 <=>	0	•	0		0
DEC	600	0	•	0		0
CULTEDOM	BUKURD ME /CT/1	nowi s	DETIN 11	MIT = 0	CHIDELINE -	N/A
COLIFORM	BCKGRD MF (CT/1	00ML )	DET'N LI	MIT = 0	GUIDELINE =	N/A
COLIFORM	BCKGRD MF (CT/1	00ML ) 0 T24			GUIDELINE =	N/A 0 1
				1		

TABLE 5

#### DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW		TREATED	SITE 1			SITE 2		
				STANDING	FREE FLOW		STANDING	FREE FLOW	• • •
APR	14800	A3C	0 148		0	T24		0 т2	۷
MAY	4800		0		8			0	•
JUN	48000	>	0		2400	>			
JUL	14000	A3C	1		460	A3C		0	
AUG	43000	A3C	0		1110		•	0	
SEP	5200		0		480	A3C	•	0	
OCT	3280	A3C	0		1100	A3C		0	
NOV .	710		0		31			0	
DEC	5000		0	•	0		•	0	

TABLE 5

#### DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	CUENTO	TOV (FLD)				
LD CHLORINE (C		TRY (FLD)	DET'N LI	MIT =	GUIDELINE =	
		,				
JAN		.250		.200	.100	.300
FEB		.250	.100	.200	.100	.300
MAR		.290	.100	.200	.100	.300
APR		.350		.200	.300	.300
MAY		.220	.100	.200	.100	.200
JUN		.300	.300	.200	.100	.200
JUL		.200	.100	.200	.100	.300
AUG		.300	.000	.100	.100	.200
SEP		.350	.000	.300	.000	.200
OCT		.300	.100	.200	.100	.200
NOV		.400	.000	.300	.100	.300
DEC		.340	.100	.200	.100	.200
	•					
LD CHLORINE FR	EE (	)	DET'N LI	MIT =	GUIDELINE =	
JAN		.690		.100		.200
FEB	•		۰			.200
	•	.650	•	.100	•	
MAR	•	.730	400	.100	•	.200
APR	٠	.800	.100	.100	•	.600
MAY	٠	.700		.100	•	.700
JUN	•	.450	.000	.100	.000	.100
JUL	9	.400	.000	.100	.000	.000
AUG	•	1.100	.000	.000	.000	.000
SEP	•	.900	.000	.000	.000	.000
OCT	•	.600	.000	.000	.000	.100
NOV	•	.750	.000	.000	.000	.000
DEC	•	.800	.000	.100	.000	.100
LD CHLORINE (TO	OTAL) (	)	DET'N LI	MIT =	GUIDELINE =	
JAN		.940		.300	.100	.500
FEB		.900	.100	.300	.100	.500
MAR		1.020	.100	.300	.100	.500
APR		1.150	.100	.300	.300	.900
MAY	•	.920	.100	.300	.100	.900
JUN		.750	.300	.300	.100	.300
JUL	•	.600	.100	.300	.100	.300
AUG	•	1.400			.100	.200
SEP		1.250	.000	.100	.000	.200
OCT			.000	.300		
	•	.900	.100	.200	.100	.300
NOV	•	1.150	.000	.300	.100	.300
DEC		. 1.140	.100	.300	.100	.300
LD PH (DMNSLES	S )		DET'N LI	MIT = N/A	GUIDELINE = 6	5.5-8.5(A4)
TAN -	400	/ 050	7 000	7.000	7 700	7 000
	.600	6.850	7.200	7.000	7.300	7.000
	.600	6.700	7.000	6.800	7.200	7.000
MAR 7.	.600	6.700	7.000	6.800	7.200	7.000

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
						( 000
APR	7.500	6.600	6.800	7.000	6.800	6.800
HAY	7.900	6.600	7.000	6.800	6.800	6.800
JUN	8.000	6.700	7.000	6,800	6.800	6.800
JUL	7.800	6.600	7.200	6.800	7.400	7.000
AUG	8.300	6.600	7.200	7.000	7.100	7.000
SEP	8.500	6.800	7.000	6.800	7.000	6.900
OCT	8.300	6.700	6.800	6.800	6.900	6.800
NOV	7.800	6.600	7.000	6.800	7.100	7.000
DEC	7.700	6.700	6.800	7.000	7.100	6.800
LD TEMPE	RATURE (DEG.C	)	DET'N LI	MIT = N/A	GUIDELINE =	15 (A1)
JAN	1.500	4.000	22.000	9.000	15.000	5.500
FEB	1.500	3.500	19.000	13.000	18.000	4.500
MAR	2.500	3.500	23.000	9.000	17.000	4.500
APR	3.000	4.500	21.000	12.000	23.000	5.000
MAY	11.000	11.500	22.000	12.000	17.000	8.000
JUN	20.000	20.000	20.500	16.000	21.000	16.000
JUL	24.000	25.000	24.000	21.000	26.000	22.000
AUG	23.500	24.000	23.000	22.000	21.500	22.000
SEP	21.000	21.000	24.000	21.000	23.000	21.000
OCT	16.000	16.000	•	18.500	20.000	18.000
NOV	8.500	9.000	24.000	16.000	21.000	13.000
DEC	1.500	2.000	25.000	9.000	20.000	8.000
LD TURBII	DITY (FTU	)	DET'N LI	MIT = N/A	GUIDELINE =	1.0 (A1)
JAH	1.400	.160			•	
FEB	1.900	.320				•
HAR	1.900	.190		•		
APR	4.400	.240				
HAY	2.000	.190			•	
JUN	6.800	.460				
JUL	4.700	.280		•		
AUG	8.400	.420				
SEP	6.400	.380			•	
OCT	4.900	.350				
NOV	3.400	.260		•		
DEC	1.800	.300				

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WIP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	CHEMIS	TRY (LAB)				
ALKALINIT	Y (MG/L )	111 (220)	DET'N L	MIT = .200	GUIDELINE =	30-500 (A4)
HAL	108.300	86.400	86.000	85.900	86.900	86.500
FEB	100.500	78.000	78.200	78.200	77.400	78.800
MAR	108.800	82.100	80.600	81.000	81.300	80.700
APR	93.200	62.000	63.200	62.700	60.700	62.200
HAY	90.400	60.000	62.700	61,800	60.800	60.900
JUN	92.500	64.100	65,600	65.300	64.300	63.100
JUL	97.100	61,400	63.800	62.200	61.700	59.600
AUG	102.600	67.900	69.700	69.000	69.300	68,900
SEP	104.600	70.800	71.600	71.700	71.400	71.000
OCT	106.400	73.700	75.400	74.500	74.100	74.600
NOV	113.100	79.400	80.500	82.500	!15	83.500
DEC	116.700	88.600	89.200	88.200	88.600	88.500
CALCIUM (	MG/L )		DET'N LI	MIT = .100	GUIDELINE =	100 (F2)
						,
JAN	44.600	44.400	39.600	40.600	42.200	39.000
FEB	41.600	40.000	40.000	39.200	39.200	39.800
MAR	45.200	44.600	44.800	45.000	44.800	44.600
APR	40.400	39.600	40.200	39.800	39.400	39.800
MAY	36.800	35.800	37.000	36.800	36.400	37.400
JUN	36.600	37.000	37.600	38.000	38.400	37.600
JUL	40.600	40.200	40.000	41.000	40.600	40.600
AUG	38.600	39.400	41.600	40.200	38.200	39.200
SEP	40.000	38.800	38.800	42.200	41.200	41.200
OCT	41.200	40.800	41.200	42.000	41.200	41.200
NOV	42.800	42.600	43.600	43.800	115	43.000
DEC	49.000	50.200	51.800	51.200	50.400	51.000
CHLORIDE	(HG/L )		DET'N LI	MIT = .200	GUIDELINE =	250 (A3)
	13 (00	45 (00	45 (00	45.400	45 400	47.000
JAN	12.600	15.400	15.600	15.100	15.100	14.900
FEB	14.300	17.800	18.600	18.500	18.300	18.000
MAR	18.500	19.400	19.600	19.200	18.800	18.000
APR	13.100	16.600	16.700	16.400	16.000	14.900
MAY	8.600	11.700	12.300	12.000	11.900	11.600
JUN	9.200	12.900	13.400	13.300	13.600	13.400
JUL	8.400	12.800	13.800	12.900	12.800	12.800
AUG	9.500	14.100	14.600	14.200	14.200	13.900
SEP	10.000	14.200	14.700	14.600	14.800	14.900
OCT	11.300	14.700	15.100	15.100	15.100	14.700
NOV	11.700	14.600	14.500	14.200	!IR	14.200
DEC	11.400	14.500	14.900	14.800	14.900	14.800
OLOUR (HZ	:U )		DET'N LI	MIT = .5	GUIDELINE =	5.0 (A3)
JAN	12.000	3.000	5 000	5 000	/ 000	3.500
W CO CO	12.000	3.000	5.000	5.000	4.000	3.300
FEB	15.000	3.000	4.500	5.000	3.500	3.000

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	19.000	2.000 <t< td=""><td>4.500</td><td>4.500</td><td>5,500</td><td>2.500</td></t<>	4.500	4.500	5,500	2.500
HAY	15.500	2.000 <t< td=""><td>4.000</td><td>4.500</td><td>3.500</td><td>3.000</td></t<>	4.000	4.500	3.500	3.000
JUN	15.000	3.500	5.000	5.000	5.500	4.000
JUL	20.500	3.500	5.000	5.500	5.500	5.500
AUG	18,500	3.000	5.000	5.000	4.500	4.500
SEP	16.500	3.500	5.000	4.500	4.500	4.000
OCT	15.000	3.000	4.500	4.500	4.000	3.500
NOV	13.500	2.500	4.000	5.000	115	4.500
DEC	18.000	3.000	5.000	5.000	4.500	4.000
ONDUCTIV	TITY (UMHO/CM )		DET'N LI	MIT = 1	GUIDELINE =	400 (F2)
JAN	282	293	293	291	295	292
FEB	274	285	289	287	286	287
MAR	301	314	310	310	311	305
APR	264	274	276	274	269	266
MAY	242	255	260	258	257	256
JUN	237	249	253	252	251	248
JUL	239	256	262	257	257	255
AUG	248	266	270	266	266	265
SEP	255	268	273	272	271	272
OCT	264	279	283	281	280	280
NOV	277	291	294	290	IIS	289
DEC	293	309	310	306	306	307
LUORIDE	(MG/L )	****	DET'N LI	MIT = .01	GUIDELINE =	2.400 (A1)
JAN	.040 <t< td=""><td>1.120</td><td>1.160</td><td>1.060</td><td>1.100</td><td>1.120</td></t<>	1.120	1.160	1.060	1.100	1.120
FEB	.080	1.220	1.240	1.220	1.320	1.220
MAR	.100	1.300	1.320	1.300	1.240	1.180
APR	.080	1,060	1.160	1.100	1.160	1.100
HAY	.100	1.180	1.240	1,160	1.220	1.180
JUN	.100	1.160	1.180	1.140	1.180	1.160
JUL	.160	1.200	1.200	1.140	1.180	1.120
AUG	.080	1.160	1.220	1.200	1.180	1.200
SEP	.080	1.120	1.120	1.680	1.140	1.140
OCT	.080	1.180	1.200	1.180	1.180	1.160
NOV	.080	1.200	1.280	1.260	1.260	1.300
DEC	.080	1.200	1.240	1.160	1.240	1.200
ARDNESS	(MG/L )	• • • • • • • • • • • • • • • • • • • •	netin it	MIT = .500	GUIDELINE =	80-100 (44)
				1300		
JAN	131.000	130.000	117.000	120.000	124.000	117.000
FEB	121.000	117.000	119.000	117.000	117.000	118.000
HAR	129.000	128.000	131.000	132.000	132.000	131.000
APR	119.000	118.000	119.000	118.000	117.000	116.000
MAY	109.000	106.000	110.000	109.000	108.000	111.000
JUN	107.000	108.000	111.000	112.000	113.000	111.000
JUL	118.000	116.000	116.000	119.000	117.000	117.000
AUG	112.000	115.000	120.000	117.000	112.000	114.000

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	118.000	. 115.000	115.000	123,000	121.000	121.000
OCT	122.000	121.000	121.000	124.000	122.000	121.000
NOV	126.000	126.000	128,000	129.000	115	127.000
DEC	141.300	144.500	149.000	148.000	145.000	147.000
ONCAL (D	MNSLESS )		DET'N L	IMIT = N/A	GUIDELINE = N	/A
JAN	1.219	3.733	4.435	1.898	.619	5.801
FEB	2.161	.126	1.112	.709	1.407	.076
MAR	3.147	.738	2.893	3.938	2.804	3.305
APR	6.170	7.732	7.792	8.232	8.255	8.373
HAY	2.760	.825	2.548	2.098	2.487	5.318
JUN	.838	1.647	2.458	4.051	5.560	5.682
JUL	6.597	7.703	4.951	8.118	7.639	8.270
AUG	1.648	1.910	3.909	1.962	1.773	.829
SEP	-411	.872	3.145	3.238	1.947	2.595
OCT	1.840	2.608	1.358	3.840	2.446	2.906
NOV	1.870	.221	.465	2.543	.000 NAF	.921
DEC	3.920	6.783	6.942	8.196	5.783	6.052
ANGELIERS INDEX (DMNSLESS )		DET'N L	IMIT = N/A	GUIDELINE = N	/A	
JAN	.492	.038	014	013	133	198
FEB	.282	369	339	267	441	497
MAR	.452	039	.015	011	131	095
APR	.341	119	.015	042	138	092
MAY	.316	119	008	.064	047	004
אטנ	.285	124	249	256	567	703
JUL	.071	539	327	426	623	418
AUG	.519	.172	. 195	.177	.147	.166
SEP	.410	058	035	037	139	122
			.000	.124	.103	.076
OCT	.527	.047		.173		060
DEC	.601	2 <del>96</del> .026	061 .362	.333	.278	.183
AGNESIUM	(MG/L )		DET'N L	IMIT = .050	GUIDELINE = 30 (F2)	
LAN	/ 700	/ 400	/ 500	/ 400	4.700	4.600
JAN	4.700	4.600	4.500	4.600	4.600	4.500
FEB	4.200	4.200	4.500	4.500	4.900	4.900
MAR	4.100	4.200	4.800	4.900		4.000
APR	4.500	4.600	4.500	4.600 4.200	4.500 4.100	4.200
HAY	4.300	4.100	4.200		4.100	4.200
JUN	3.800	3.700	4.000	4.100	4.000	3.800
JUL	3.900	3.900	4.000	4.000		
AUG	3.900	4.100	4.000	4.100	4.000	4.000
SEP	4.400	4.400	4.300	4.300	4.400	4.400
OCT	4.700	4.700	4.500	4.600	4.600	4.500
NOV	4.800	4.800	4.800	4.900	115	4.900
DEC	4.600	4.650	4.800	4.800	4.700	4.600

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SODIUM (	MG/L )		DET'N L	IMIT = .200	GUIDELINE	= 200 (C3)
JAN	6.800	7,000	7.200	7.000	7.200	6.800
FEB	8.200	8,400	9,000	8.600	9.400	8.600
MAR	9.000	8.800	9.200	9,200	9.000	8.400
APR	7.400	7.200	7.400	7.200	6.600	6,800
HAY	4.800	4.800	5.000	4.800	4.600	4.600
JUN	5.000	5.200	5,400	5.400	5.400	5.400
JUL	5.000	5.000	5,400	4.800	4.800	4.800
AUG	5.800	5.800	6.000	5.800	5.800	
SEP	6.200	6.000	6.000	5,800	5.800	
OCT	6.400	6.000	6.400	6.400	6.400	
NOV	6.600	6.600	6.800	6,600	IIS	
DEC	6.800	7.000	6.200	6.400	6.200	
AMMONIUM	TOTAL (MG/L	)	DET'N L	IMIT = 0.002	GUIDELINE	= .05 (F2)
JAN	.086	.010	.034	.014	.028	.012
FEB	.102	.016	.028	.022	.030	
MAR	.020	BDL	.016	.004		
APR	.096	.010	.026	.016	.026	
HAY	.068	.006 <t< td=""><td>.100</td><td>.012</td><td>.018</td><td></td></t<>	.100	.012	.018	
	.042		.020	.010	.014	
JUL	.076	.006 <t< td=""><td>.052</td><td>.022</td><td>.018</td><td></td></t<>	.052	.022	.018	
AUG	BDL	.010	.016	.018	.006	
SEP	.084		.032	.022	.020	
	.034	.004 <t< td=""><td>.028</td><td>.014</td><td>.010</td><td></td></t<>	.028	.014	.010	
OCT	.038	.002 <t BDL</t 	.024	.012	.010	
DEC	.026	BOL	.004 <			
NITRITE	(MG/L )		DET'N L	IHIT = 0.001	GUIDELINE	= 1.000 (A1)
JAN	.018	.002 <t< td=""><td>.003 &lt;</td><td>T .003</td><td><t .002<="" td=""><td><t .002="" <t<="" td=""></t></td></t></td></t<>	.003 <	T .003	<t .002<="" td=""><td><t .002="" <t<="" td=""></t></td></t>	<t .002="" <t<="" td=""></t>
FEB	.012	.002 <t< td=""><td>.003 &lt;</td><td></td><td></td><td></td></t<>	.003 <			
MAR	.010	BDL	.001 <		.003	
APR	.071	.001 <t< td=""><td>.007 &lt;</td><td></td><td></td><td></td></t<>	.007 <			
MAY	.006	.001	.002 <			
JUN	.007	.001 <t< td=""><td>.002 &lt;</td><td></td><td></td><td></td></t<>	.002 <			
JUL	.077	.002 <t< td=""><td>.003 &lt;</td><td></td><td></td><td></td></t<>	.003 <			
AUG	.002 <t< td=""><td>.001 <t< td=""><td>BDL</td><td>BOL</td><td>80L</td><td></td></t<></td></t<>	.001 <t< td=""><td>BDL</td><td>BOL</td><td>80L</td><td></td></t<>	BDL	BOL	80L	
SEP						
	.005	.004 <t< td=""><td>.004 &lt;</td><td></td><td></td><td></td></t<>	.004 <			
OCT	.003 <t< td=""><td>.001 <t< td=""><td>.001 &lt;</td><td></td><td></td><td></td></t<></td></t<>	.001 <t< td=""><td>.001 &lt;</td><td></td><td></td><td></td></t<>	.001 <			
DEC	.008	.002 <t< td=""><td>.002 &lt;</td><td></td><td></td><td></td></t<>	.002 <			
TOTAL NI	TRATES (MG/L	)	DET'N L	IHIT = .020	GUIDELINE	= 10.000 (A1)
	2/0	. 265	.255	.220	.350	.255
JAN	/60				.370	0 6 0 0
JAN	.260				400	7.60
JAN FEB MAR	.355 .315	.340	.375	.365	.400	

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
• • • • • • • • • •		*				
MAY	.150	1.000	. 195	.170	.165	. 145
JUN	.005 <t< td=""><td>BOL</td><td>BDL</td><td>BOL</td><td>.035</td><td>BOL</td></t<>	BOL	BDL	BOL	.035	BOL
JUL	.105	.025	.040	.030	.100	.015 <1
AUG	.005 <t< td=""><td>.010 <t< td=""><td>.035</td><td>.015 <t< td=""><td>.010 <t< td=""><td>.015 &lt;1</td></t<></td></t<></td></t<></td></t<>	.010 <t< td=""><td>.035</td><td>.015 <t< td=""><td>.010 <t< td=""><td>.015 &lt;1</td></t<></td></t<></td></t<>	.035	.015 <t< td=""><td>.010 <t< td=""><td>.015 &lt;1</td></t<></td></t<>	.010 <t< td=""><td>.015 &lt;1</td></t<>	.015 <1
SEP	.005 <t< td=""><td>.010 <t< td=""><td>.065</td><td>.020 <t< td=""><td>.015 <t< td=""><td>.015 &lt;1</td></t<></td></t<></td></t<></td></t<>	.010 <t< td=""><td>.065</td><td>.020 <t< td=""><td>.015 <t< td=""><td>.015 &lt;1</td></t<></td></t<></td></t<>	.065	.020 <t< td=""><td>.015 <t< td=""><td>.015 &lt;1</td></t<></td></t<>	.015 <t< td=""><td>.015 &lt;1</td></t<>	.015 <1
OCT	BOL	BOL	.015 <1	.005 <t< td=""><td>BOL</td><td>BOL</td></t<>	BOL	BOL
NOV	.150	.140	.170	.150	!15	.160
DEC	.295	.335	.415	.355	.340	.350
NITROGEN T	OT KJELD (MG/L	)	DET'N LI	IMIT = .020	GUIDELINE =	N/A
JAN	.620	.390	.370	.370	.480	.410
FEB	.640	.400	.460	.460	.470	.400
HAR	.520	.320	.340	.320	.330	.330
APR	.740	.310	.340	.320	.360	.300
HAY	.500	.260	.400	.220	.230	.210
JUN	.780	.270	.300	.290	.290	.270
JUL	.680	.280	.470	.280	.300	.340
AUG	.790	.425	.370	.340	.320	.350
SEP	1.030	.410	.410	.360	.350	.360
OCT	.850	.340	.430	.390	.360	.340
HOV	.760	.350	.350	.350	118	.340
DEC	.610	.390	.350	.350	.340	.530
PH (DMNSLE	SS )		DET'N LI	MIT = N/A	GUIDELINE =	6:5-8.5(A4)
JAN	8.240	7.890	7.890	7.880	7.740	7.710
FEB	8.090	7.570	7.600	7.680	7.510	7.440
MAR	8.200	7.840	7,900	7.870	7.750	7.790
APR	8.190	7.920	8,040	7,990	7.910	7.940
HAY	8.210	7.970	8.050	8.130	8.030	8.060
JUN	8.170	7.920	7.780	7.770	7.460	7.340
JUL	7.890	7.490	7.690	7,590	7,400	. 7.620
AUG	8.340	8,170	8.160	8,160	8.150	8,160
SEP	8.210	7.930	7.950	7.910	7.820	7.840
OCT	8.310	8.000	7.940	8.060	8.050	8.020
NOV	8.220	7.610	7.830	8.050	115	7.820
DEC	8.280	7.820	8.140	8.120	8.070	7.970
HOSPHORUS	FIL REACT (MG/L	)	DET'N LI	MIT = .0005	GUIDELINE = 1	N/A
JAN	.005 <t< td=""><td>.000 <t< td=""><td></td><td>·</td><td></td><td></td></t<></td></t<>	.000 <t< td=""><td></td><td>·</td><td></td><td></td></t<>		·		
FEB	BDL	BOL		٠	•	•
MAR	.000 <t< td=""><td>BOL</td><td>•</td><td>٠</td><td>•</td><td>•</td></t<>	BOL	•	٠	•	•
APR	.003	BOL	•	•	•	•
HAY	.003	BOL	٠		•	•
JUN	.000 <t< td=""><td>BOL</td><td>•</td><td>•</td><td></td><td>•</td></t<>	BOL	•	•		•
JUL	.004	BOL	•	•	•	•
AUG	.001 <7		•	•	•	•
SEP		BDL	•	•	٠	•
SEP	.001 <t< td=""><td>.001 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.001 <t< td=""><td></td><td></td><td></td><td></td></t<>				

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
******			STANDING	FREE FLOW	STANDING	FREE FLOW
007	007	004 4				
OCT	.003	.001 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
NOA	BOL	BOL	•	•	•	•
DEC	.001 <t< td=""><td>BOL</td><td></td><td></td><td></td><td></td></t<>	BOL				
PHOSPHORU	S TOTAL (MG/L	>	DET'N L	1MIT = .002	GUIDELINE = .	.40 (F2)
JAN	BDL	BDL				
FEB	.020	.005 <t< td=""><td>•</td><td></td><td></td><td>•</td></t<>	•			•
HAR	.016	.006 <t< td=""><td>•</td><td></td><td></td><td></td></t<>	•			
APR	.035	.003 <t< td=""><td>•</td><td></td><td></td><td></td></t<>	•			
HAY	.020	.003 <t< td=""><td>•</td><td>•</td><td></td><td>•</td></t<>	•	•		•
JUN	.051	.009 <t< td=""><td>•</td><td>•</td><td>•</td><td></td></t<>	•	•	•	
JUL	.041	.004 <t< td=""><td></td><td></td><td>•</td><td>•</td></t<>			•	•
AUG	.057	.007 <t< td=""><td>•</td><td></td><td>•</td><td></td></t<>	•		•	
SEP	.051	.008 <t< td=""><td>•</td><td></td><td></td><td>•</td></t<>	•			•
OCT	.046	.006 <t< td=""><td></td><td>•</td><td></td><td>•</td></t<>		•		•
NOV	.032	.004 <t< td=""><td>•</td><td>•</td><td>•</td><td></td></t<>	•	•	•	
DEC	.016	.003 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
SULPHATE	(MG/L )		DET'N L	MIT = .200	GUIDELINE = 5	500. (A3)
JAN	16.300	29.510	28.940	28.940	28.940	29.100
FEB	13.850	29.750	29.540	29.310	29,580	29.830
MAR	17.280	36.700	36.360	36.020	36.620	36.330
APR	13.170	34.860	35.020	34.570	34.500	34.240
HAY	13.350	36.070	35.620	36.290	35.280	35.300
JUN	12.950	33.300	33.320	33.260	33.000	32.930
JUL	10.820	37.130	37.240	37.560	37.550	38.420
AUG	10.560	36.090	36.420	36.750	35.770	35.810
SEP	11.950	36.740	37.590	37.540	37.210	37.450
OCT	10.920	34.930	35.340	35.340	35.590	34.690
NOV	13.010	38.080	39.600	35.760	115	35.020
DEC	15.710	37.720	38.670	37.340	37.580	38.380
TURBIDITY	(FTU )		DET'N L	MIT = .02	GUIDELINE = '	1.00 (A1)
JAN	1.140	.420	.910	.770	.720	.970
FEB	2.700	.380	.530	.570	.570	.480
HAR	1.600	.440	.640	.690	.540	.650
APR	5.600	.580	.910	.940	3.300 RRV	
HAY	2.600	.510	.880	.490	.630	.750
JUN	8.600	.620	.750	.560	.900	.540
JUL	5.000	.430	.580	.610	.450	.380
AUG	7.500	.750	.640	.670	.950	.960
SEP	6.500	.850	.520	.350	.380	.430
OCT	5.700	.700	.750	.640	1.010	.870
NOV	5.100	.590	.740	.660	115	.770
DEC	2.300	.690	.980	.960	.910	1.190
DEC	2.300	.090	.700	. 700	.710	1.170

TABLE 5

	RAW	TREATED	SITE 1			SITE 2		
			STANDING		FREE FLOW	STANDING	F	REE FLOW
	ME	TALS						
SILVER (U					DET'N LIMIT = .020	GUIDELINE	<b>=</b> 50.	(A1)
JAN	.040	<t .060="" <<="" td=""><td>cT .080</td><td><t< td=""><td>BO L</td><td>BOL</td><td></td><td>BOL</td></t<></td></t>	cT .080	<t< td=""><td>BO L</td><td>BOL</td><td></td><td>BOL</td></t<>	BO L	BOL		BOL
FEB	BDL	BDL	.100	<1	BOL	BOL		BOL
MAR	BDL	BOL	.070	<t< td=""><td>BOL</td><td>BOL</td><td></td><td>BOL</td></t<>	BOL	BOL		BOL
APR	BDL	BDL	.350	<t< td=""><td>.280 <t< td=""><td>.160</td><td><t< td=""><td>.030 &lt;</td></t<></td></t<></td></t<>	.280 <t< td=""><td>.160</td><td><t< td=""><td>.030 &lt;</td></t<></td></t<>	.160	<t< td=""><td>.030 &lt;</td></t<>	.030 <
HAY	BOL	BOL	.210	<t< td=""><td>BOL</td><td>BOL</td><td></td><td>BDL</td></t<>	BOL	BOL		BDL
JUN	BDL	BD L	.060	<t< td=""><td>BDL</td><td>.040</td><td><t< td=""><td>.040 &lt;</td></t<></td></t<>	BDL	.040	<t< td=""><td>.040 &lt;</td></t<>	.040 <
JUL	BOL	BOL	.080		BOL	BOL		BDL
AUG	BDL	BDL	.260		.070 <t< td=""><td>BOL</td><td></td><td>.030 &lt;</td></t<>	BOL		.030 <
SEP	.070				BOL	BOL		BOL
OCT	BDL	BOL	BOL	·	BDL	BOL		BOL
NOV	BDL	BDL	BOL		BOL	BOL		BDL
DEC	BDL	BOL	.090	<1	BOL	BOL		.030 <
ALUMINUM	(UG/L )				DET'N LIMIT = .050	GUIDELINE	= 100.	(A4)
MAL	17.400	232.000	336.400		208.800	197,200		208.800
FEB	49.880	290.000	220.400		278,400	220,400		243.600
	20.880	255.200	162.400		185.600	162.400		208.800
MAR			232.000		278.400	220.400		266.800
APR	88.160	348.000			162.400	139.200		174.000
MAY	69.600	185.600	139.200			180.000		200.000
JUN	320.000	220.000	190.000		190.000			150.000
JUL	120.000	160.000	140.000		140.000	140.000		200.000
AUG	180.000	250.000	180.000		170.000	190.000		190.000
SEP	250.000	41.000	140.000		160.000	190.000		
OCT	40.000	210.000	160.000		180.000	230.000		200.000
NOV	50.000	210.000	170.000		210.000	190.000		260.000
DEC	33.000	270.000	200.000		210.000	190.000		240.000
ARSENIC (	UG/L )				DET'N LIMIT = 0.05	O GUIDELINE	× 50.0	(A1)
MAL	.400	<t .460="" <<="" td=""><td>cT .590</td><td>&lt;1</td><td>.320 <t< td=""><td>.280</td><td><t< td=""><td>.240 &lt;</td></t<></td></t<></td></t>	cT .590	<1	.320 <t< td=""><td>.280</td><td><t< td=""><td>.240 &lt;</td></t<></td></t<>	.280	<t< td=""><td>.240 &lt;</td></t<>	.240 <
FEB	.210	<t .340="" <<="" td=""><td>cT .220</td><td><t< td=""><td>.310 <t< td=""><td>.360</td><td><t< td=""><td>.250 &lt;</td></t<></td></t<></td></t<></td></t>	cT .220	<t< td=""><td>.310 <t< td=""><td>.360</td><td><t< td=""><td>.250 &lt;</td></t<></td></t<></td></t<>	.310 <t< td=""><td>.360</td><td><t< td=""><td>.250 &lt;</td></t<></td></t<>	.360	<t< td=""><td>.250 &lt;</td></t<>	.250 <
MAR	.830	<t .880="" td="" ·<=""><td>cT .730</td><td><t< td=""><td>.900 <t< td=""><td>.650</td><td><t< td=""><td>.790 &lt;</td></t<></td></t<></td></t<></td></t>	cT .730	<t< td=""><td>.900 <t< td=""><td>.650</td><td><t< td=""><td>.790 &lt;</td></t<></td></t<></td></t<>	.900 <t< td=""><td>.650</td><td><t< td=""><td>.790 &lt;</td></t<></td></t<>	.650	<t< td=""><td>.790 &lt;</td></t<>	.790 <
APR	.590	<t .450="" td="" ·<=""><td><t .730<="" td=""><td><t< td=""><td>.670 <t< td=""><td>.820</td><td><t< td=""><td>.540 &lt;</td></t<></td></t<></td></t<></td></t></td></t>	<t .730<="" td=""><td><t< td=""><td>.670 <t< td=""><td>.820</td><td><t< td=""><td>.540 &lt;</td></t<></td></t<></td></t<></td></t>	<t< td=""><td>.670 <t< td=""><td>.820</td><td><t< td=""><td>.540 &lt;</td></t<></td></t<></td></t<>	.670 <t< td=""><td>.820</td><td><t< td=""><td>.540 &lt;</td></t<></td></t<>	.820	<t< td=""><td>.540 &lt;</td></t<>	.540 <
HAY	.950	<t .780="" td="" ·<=""><td>cT .600</td><td><t< td=""><td>.720 <t< td=""><td>.700</td><td><t< td=""><td>.770 &lt;</td></t<></td></t<></td></t<></td></t>	cT .600	<t< td=""><td>.720 <t< td=""><td>.700</td><td><t< td=""><td>.770 &lt;</td></t<></td></t<></td></t<>	.720 <t< td=""><td>.700</td><td><t< td=""><td>.770 &lt;</td></t<></td></t<>	.700	<t< td=""><td>.770 &lt;</td></t<>	.770 <
JUN	1.400	.520	<t .590<="" td=""><td><t< td=""><td>.750 <t< td=""><td>.680</td><td>&lt;7</td><td>.390 &lt;</td></t<></td></t<></td></t>	<t< td=""><td>.750 <t< td=""><td>.680</td><td>&lt;7</td><td>.390 &lt;</td></t<></td></t<>	.750 <t< td=""><td>.680</td><td>&lt;7</td><td>.390 &lt;</td></t<>	.680	<7	.390 <
JUL	1.700	.780	<t .820<="" td=""><td><t< td=""><td>.770 <t< td=""><td>.920</td><td><t< td=""><td>.820 &lt;</td></t<></td></t<></td></t<></td></t>	<t< td=""><td>.770 <t< td=""><td>.920</td><td><t< td=""><td>.820 &lt;</td></t<></td></t<></td></t<>	.770 <t< td=""><td>.920</td><td><t< td=""><td>.820 &lt;</td></t<></td></t<>	.920	<t< td=""><td>.820 &lt;</td></t<>	.820 <
AUG	1.900	1.200	1.300		1.500	1.400		1.400
SEP	1.300	1.700	.960	<t< td=""><td>1.000 <t< td=""><td>1.100</td><td></td><td>1.100</td></t<></td></t<>	1.000 <t< td=""><td>1.100</td><td></td><td>1.100</td></t<>	1.100		1.100
OCT	.690				.550 <t< td=""><td>.680</td><td><t< td=""><td>.610 &lt;</td></t<></td></t<>	.680	<t< td=""><td>.610 &lt;</td></t<>	.610 <
NOV	.460				.460 <t< td=""><td>_100</td><td></td><td>.270 &lt;</td></t<>	_100		.270 <
DEC	.590				.460 <t< td=""><td>.390</td><td></td><td>.370 &lt;</td></t<>	.390		.370 <
BARIUM (U	IG/L )				DET'N LIMIT = 0.02	O CUIDELINE	= 1000	). (A1)
	38.000	35.000	41,000		36.000	38.000		37.000
JAN			71,000		20:400	2-1-00		
JAN FEB	36.000	34.000	34.000		33.000	37,000		34.000

TABLE 5

# WATER TREATMENT PLANT

RAW TREATED SITE 1

# DISTRIBUTION SYSTEM

SITE 2

	RAW		IKEATED	2115 1		2115 2	
				STANDING	FREE FLOW	STANDING	FREE FLOW
APR	33.000		32.000	35.000	33,000	36.000	31,000
HAY	40.000		35.000	39.000	35.000	37.000	35.000
JUN	37,000		34.000	36.000	35.000	34.000	35.000
				37.000	36.000	38.000	35.000
JUL	38.000		35.000		37.000	36.000	38.000
AUG	39.000		37.000	38.000 41.000	42.000	44.000	44.000
SEP	37.000 41.000		40.000		39.000	39.000	38,000
OCT			39.000	40.000			36.000
NOV	41.000		34.000	37.000	34.000	39.000	36.000
DEC	38.000		35.000	38.000	35.000	36.000	30,000
BORON (UG	/L )				DET'N LIMIT = 0.	200 GUIDELINE =	5000. (A1)
JAN	29.000		28.000	53.000	35.000	36.000	22.000
FEB	59.000		60.000	26.000	14.000 <t< td=""><td>58.000</td><td>56.000</td></t<>	58.000	56.000
HAR	47.000		63.000	81.000	76.000	80.000	61.000
APR	190.000		180.000	39.000	47.000	180.000	180,000
HAY	110.000		120.000	54.000	36.000	69.000	100.000
JUN	24.000		23.000	21.000	22.000	23.000	24.000
JUL	34.000		32.000	35.000	34.000	31.000	30.000
AUG	59.000		45.000	53.000	56.000	58.000	54.000
SEP	41.000		41.000	45.000	39.000	47.000	40.000
OCT	24.000		25.000	26.000	26.000	27.000	26.000
HOV	14.000	<t< td=""><td>13.000 <t< td=""><td>16.000 <t< td=""><td>13.000 <t< td=""><td>14.000 &lt;</td><td>T 15.000 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	13.000 <t< td=""><td>16.000 <t< td=""><td>13.000 <t< td=""><td>14.000 &lt;</td><td>T 15.000 <t< td=""></t<></td></t<></td></t<></td></t<>	16.000 <t< td=""><td>13.000 <t< td=""><td>14.000 &lt;</td><td>T 15.000 <t< td=""></t<></td></t<></td></t<>	13.000 <t< td=""><td>14.000 &lt;</td><td>T 15.000 <t< td=""></t<></td></t<>	14.000 <	T 15.000 <t< td=""></t<>
DEC	22.000		21.000	21.000	19.000 <t< td=""><td>12.000 &lt;</td><td>T 20.000 <t< td=""></t<></td></t<>	12.000 <	T 20.000 <t< td=""></t<>
BERYLLIUM	(UG/L	)	******		DET'N LIMIT = 0.	010 GUIDELINE =	N/A
JAN	.030	<t< td=""><td>.020 &lt;7</td><td>.060 <t< td=""><td>.070 &lt;7</td><td>.050 &lt;</td><td>T .030 <t< td=""></t<></td></t<></td></t<>	.020 <7	.060 <t< td=""><td>.070 &lt;7</td><td>.050 &lt;</td><td>T .030 <t< td=""></t<></td></t<>	.070 <7	.050 <	T .030 <t< td=""></t<>
FEB	BOL	•	BOL	.040 <t< td=""><td>BOL</td><td>.020 &lt;</td><td></td></t<>	BOL	.020 <	
MAR	.030	<t< td=""><td>.060 <t< td=""><td>.210 <t< td=""><td></td><td>.150 &lt;</td><td></td></t<></td></t<></td></t<>	.060 <t< td=""><td>.210 <t< td=""><td></td><td>.150 &lt;</td><td></td></t<></td></t<>	.210 <t< td=""><td></td><td>.150 &lt;</td><td></td></t<>		.150 <	
APR	.270		.210 <t< td=""><td>1.200</td><td>.830</td><td>.680</td><td></td></t<>	1.200	.830	.680	
HAY	.260		.170 <t< td=""><td>.080 <t< td=""><td></td><td>.130 &lt;</td><td></td></t<></td></t<>	.080 <t< td=""><td></td><td>.130 &lt;</td><td></td></t<>		.130 <	
JUN	.100		.070 <t< td=""><td>.090 <t< td=""><td></td><td>.080 &lt;</td><td></td></t<></td></t<>	.090 <t< td=""><td></td><td>.080 &lt;</td><td></td></t<>		.080 <	
JUL	.180		.120 <t< td=""><td>.110 <t< td=""><td>.130 <t< td=""><td>.060 &lt;</td><td></td></t<></td></t<></td></t<>	.110 <t< td=""><td>.130 <t< td=""><td>.060 &lt;</td><td></td></t<></td></t<>	.130 <t< td=""><td>.060 &lt;</td><td></td></t<>	.060 <	
AUG	.190		.130 <t< td=""><td>.030 <t< td=""><td></td><td>.140 &lt;</td><td></td></t<></td></t<>	.030 <t< td=""><td></td><td>.140 &lt;</td><td></td></t<>		.140 <	
SEP	.120		.100 <t< td=""><td>.020 <t< td=""><td>.050 <t< td=""><td>.030 &lt;</td><td></td></t<></td></t<></td></t<>	.020 <t< td=""><td>.050 <t< td=""><td>.030 &lt;</td><td></td></t<></td></t<>	.050 <t< td=""><td>.030 &lt;</td><td></td></t<>	.030 <	
OCT	BOL		BOL	BOL	BOL	.030 <	
NOV	BOL		BOL	BOL	BOL	BOL	BOL
DEC	.040	<t< td=""><td>.020 <t< td=""><td>.020 <t< td=""><td></td><td>.030 &lt;</td><td></td></t<></td></t<></td></t<>	.020 <t< td=""><td>.020 <t< td=""><td></td><td>.030 &lt;</td><td></td></t<></td></t<>	.020 <t< td=""><td></td><td>.030 &lt;</td><td></td></t<>		.030 <	
CADHIUM (I	UG/L )				DET'N LIMIT = 0.	050 GUIDELINE =	5.000 (A1)
JAN	.230	eT.	BOL	BOL	BDL	BOL	BOL
FEB	.060		BOL	BOL	BOL	BOL	80 L
HAR	.390		.100 <t< td=""><td>BOL</td><td>BOL</td><td>80L</td><td>BOL</td></t<>	BOL	BOL	80L	BOL
APR	.110		-	.510	.480 <t< td=""><td>.400 &lt;</td><td></td></t<>	.400 <	
HAY	.280		.100 <t< td=""><td>.260 <t< td=""><td>.480 &lt;1 .110 &lt;7</td><td></td><td>8DL</td></t<></td></t<>	.260 <t< td=""><td>.480 &lt;1 .110 &lt;7</td><td></td><td>8DL</td></t<>	.480 <1 .110 <7		8DL
JUN	.200			.080 <t< td=""><td></td><td>BOL</td><td>BOL</td></t<>		BOL	BOL
JUL		41	BOL			BOL	BDL
	BOL		BOL	.120 <t< td=""><td></td><td>BOL</td><td></td></t<>		BOL	
AUG	BDL		BOL	BOL	BOL	BOL	BDL

TABLE 5 DRINKING HATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	BOL	BOL	BOL	BOL	BOL	BOL
OCT	BOL	BOL	BOL	BOL	BOL	BOL
NOV	BOL	.060 <t< td=""><td>.120 <t< td=""><td></td><td>8DL</td><td>BOL</td></t<></td></t<>	.120 <t< td=""><td></td><td>8DL</td><td>BOL</td></t<>		8DL	BOL
DEC	BOL	BOL	.120 <t< td=""><td></td><td>BOL</td><td>BOL</td></t<>		BOL	BOL
COBALT (U	G/L )			DET'N LIMIT = 0.	020 GUIDELINE =	N/A
JAN	.080 <t< td=""><td>.070 &lt;1</td><td>.140 <t< td=""><td>.130 <t< td=""><td>.120 &lt;</td><td>× 080.</td></t<></td></t<></td></t<>	.070 <1	.140 <t< td=""><td>.130 <t< td=""><td>.120 &lt;</td><td>× 080.</td></t<></td></t<>	.130 <t< td=""><td>.120 &lt;</td><td>× 080.</td></t<>	.120 <	× 080.
FEB	.140 <t< td=""><td>.040 <t< td=""><td>.100 <t< td=""><td></td><td>.040 &lt;</td><td></td></t<></td></t<></td></t<>	.040 <t< td=""><td>.100 <t< td=""><td></td><td>.040 &lt;</td><td></td></t<></td></t<>	.100 <t< td=""><td></td><td>.040 &lt;</td><td></td></t<>		.040 <	
MAR	.160 <t< td=""><td>.100 <t< td=""><td>.130 <t< td=""><td></td><td>.170 &lt;</td><td></td></t<></td></t<></td></t<>	.100 <t< td=""><td>.130 <t< td=""><td></td><td>.170 &lt;</td><td></td></t<></td></t<>	.130 <t< td=""><td></td><td>.170 &lt;</td><td></td></t<>		.170 <	
APR	.100 <t< td=""><td>BDL</td><td>.350 <t< td=""><td></td><td>.100 &lt;</td><td></td></t<></td></t<>	BDL	.350 <t< td=""><td></td><td>.100 &lt;</td><td></td></t<>		.100 <	
HAY	.330 <t< td=""><td>.230 <t< td=""><td>.280 <t< td=""><td>.240 <t< td=""><td>.250 &lt;</td><td></td></t<></td></t<></td></t<></td></t<>	.230 <t< td=""><td>.280 <t< td=""><td>.240 <t< td=""><td>.250 &lt;</td><td></td></t<></td></t<></td></t<>	.280 <t< td=""><td>.240 <t< td=""><td>.250 &lt;</td><td></td></t<></td></t<>	.240 <t< td=""><td>.250 &lt;</td><td></td></t<>	.250 <	
JUN	.040 <t< td=""><td>BDL</td><td>.060 <t< td=""><td></td><td>BDL</td><td>BOL</td></t<></td></t<>	BDL	.060 <t< td=""><td></td><td>BDL</td><td>BOL</td></t<>		BDL	BOL
JUL	.100 <t< td=""><td>.080 <t< td=""><td>2.600</td><td>.120 <t< td=""><td>.130 &lt;</td><td>T .160 &lt;</td></t<></td></t<></td></t<>	.080 <t< td=""><td>2.600</td><td>.120 <t< td=""><td>.130 &lt;</td><td>T .160 &lt;</td></t<></td></t<>	2.600	.120 <t< td=""><td>.130 &lt;</td><td>T .160 &lt;</td></t<>	.130 <	T .160 <
AUG	.160 <t< td=""><td>.120 <t< td=""><td>.160 <t< td=""><td>.120 <t< td=""><td>.320 &lt;</td><td>T .090 &lt;</td></t<></td></t<></td></t<></td></t<>	.120 <t< td=""><td>.160 <t< td=""><td>.120 <t< td=""><td>.320 &lt;</td><td>T .090 &lt;</td></t<></td></t<></td></t<>	.160 <t< td=""><td>.120 <t< td=""><td>.320 &lt;</td><td>T .090 &lt;</td></t<></td></t<>	.120 <t< td=""><td>.320 &lt;</td><td>T .090 &lt;</td></t<>	.320 <	T .090 <
SEP	BOL	.070 <7	.110 <t< td=""><td></td><td>.760 &lt;</td><td></td></t<>		.760 <	
OCT	.060 <t< td=""><td>.030 <t< td=""><td>.230 <t< td=""><td>.050 <t< td=""><td>BOL</td><td>BOL</td></t<></td></t<></td></t<></td></t<>	.030 <t< td=""><td>.230 <t< td=""><td>.050 <t< td=""><td>BOL</td><td>BOL</td></t<></td></t<></td></t<>	.230 <t< td=""><td>.050 <t< td=""><td>BOL</td><td>BOL</td></t<></td></t<>	.050 <t< td=""><td>BOL</td><td>BOL</td></t<>	BOL	BOL
HOV	.130 <t< td=""><td>.050 <t< td=""><td>.370 <t< td=""><td>.140 <t< td=""><td>BOL</td><td>BOL</td></t<></td></t<></td></t<></td></t<>	.050 <t< td=""><td>.370 <t< td=""><td>.140 <t< td=""><td>BOL</td><td>BOL</td></t<></td></t<></td></t<>	.370 <t< td=""><td>.140 <t< td=""><td>BOL</td><td>BOL</td></t<></td></t<>	.140 <t< td=""><td>BOL</td><td>BOL</td></t<>	BOL	BOL
DEC	.040 <t< td=""><td>.030 <t< td=""><td>.160 <t< td=""><td></td><td>BOL</td><td>BOL</td></t<></td></t<></td></t<>	.030 <t< td=""><td>.160 <t< td=""><td></td><td>BOL</td><td>BOL</td></t<></td></t<>	.160 <t< td=""><td></td><td>BOL</td><td>BOL</td></t<>		BOL	BOL
HROMIUM	(UG/L )			DET'N LIMIT = 0.	100 GUIDELINE =	50. (A1)
JAN	4.000	3.700	5.800	7,100	7.300	2.200
FEB	4.900	5.000	1.400	BOL	4.800	4.500
MAR	3.900	5.900	7.600	7,000	7.500	5.300
APR	7.800	7.600	1.300	1.500	7.100	7.100
HAY	6.200	6.700	2.400	1,400	3.200	5.000
JUN	3.900					
	31700	3.400	2.000	3,400		
JUL	5.800	3.400 5.400	2.000 5.300	3.400 5.400	3.500	3.700
JUL			5.300	5.400	3.500 5.400	3.700 5.200
	5.800	5.400 4.100	5.300 5.100	5.400 5.800	3.500 5.400 6.000	3.700 5.200 5.600
AUG	5.800 6.300	5.400	5.300 5.100 4.100	5.400 5.800 4.200	3.500 5.400 6.000 5.000	3.700 5.200 5.600 4.100
AUG SEP	5.800 6.300 4.300	5.400 4.100 4.100	5.300 5.100 4.100 3.400	5.400 5.800 4.200 3.200	3.500 5.400 6.000 5.000 3.800	3.700 5.200 5.600 4.100 3.500
AUG SEP OCT	5.800 6.300 4.300 3.500	5.400 4.100 4.100 3.100	5.300 5.100 4.100	5.400 5.800 4.200	3.500 5.400 6.000 5.000	3.700 5.200 5.600 4.100
AUG SEP OCT HOV DEC	5.800 6.300 4.300 3.500 1.200 3.100	5.400 4.100 4.100 3.100 .200 <t< td=""><td>5.300 5.100 4.100 3.400 BOL</td><td>5.400 5.800 4.200 3.200 BDL</td><td>3.500 5.400 6.000 5.000 3.800 BDL BDL</td><td>3.700 5.200 5.600 4.100 3.500 BDL 2.300</td></t<>	5.300 5.100 4.100 3.400 BOL	5.400 5.800 4.200 3.200 BDL	3.500 5.400 6.000 5.000 3.800 BDL BDL	3.700 5.200 5.600 4.100 3.500 BDL 2.300
AUG SEP OCT HOV DEC	5.800 6.300 4.300 3.500 1.200 3.100	5.400 4.100 4.100 3.100 .200 <t< td=""><td>5.300 5.100 4.100 3.400 BOL</td><td>5.400 5.800 4.200 3.200 BDL 2.100</td><td>3.500 5.400 6.000 5.000 3.800 BDL BDL</td><td>3.700 5.200 5.600 4.100 3.500 BDL 2.300</td></t<>	5.300 5.100 4.100 3.400 BOL	5.400 5.800 4.200 3.200 BDL 2.100	3.500 5.400 6.000 5.000 3.800 BDL BDL	3.700 5.200 5.600 4.100 3.500 BDL 2.300
AUG SEP OCT NOV DEC	5.800 6.300 4.300 3.500 1.200 3.100	5.400 4.100 4.100 3.100 .200 <t 2.400</t 	5.300 5.100 4.100 3.400 BOL 2.000	5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10	3.500 5.400 6.000 5.000 3.800 BDL BDL BOL	3.700 5.200 5.600 4.100 3.500 BDL 2.300
AUG SEP OCT HOV DEC OPPER (UG	5.800 6.300 4.300 3.500 1.200 3.100	5.400 4.100 4.100 3.100 .200 <t 2.400</t 	5.300 5.100 4.100 3.400 BDL 2.000	5.400 5.800 4.200 3.200 BDL 2.100	3.500 5.400 6.000 5.000 3.800 BDL BDL	3.700 5.200 5.600 4.100 3.500 BDL 2.300
AUG SEP OCT MOV DEC OPPER (UG	5.800 6.300 4.300 3.500 1.200 3.100	5.400 4.100 4.100 3.100 .200 <t 2.400</t 	5.300 5.100 4.100 3.400 BDL 2.000	5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000	3.500 5.400 6.000 5.000 3.800 BDL BDL BOL 200 GUIDELINE **	3.700 5.200 5.600 4.100 3.500 BDL 2.300 4.500 5.800
AUG SEP OCT HOV DEC OPPER (UC	5.800 6.300 4.300 3.500 1.200 3.100 G/L ) 1.300 1.700 1.800	5.400 4.100 4.100 3.100 .200 <t 2.400 .760 <t .930 <t< td=""><td>5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000</td><td>5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000</td><td>3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE **</td><td>3.700 5.200 5.600 4.100 3.500 BDL 2.300 4.500 5.800 4.900</td></t<></t </t 	5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000	5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000	3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE **	3.700 5.200 5.600 4.100 3.500 BDL 2.300 4.500 5.800 4.900
AUG SEP OCT HOV DEC OPPER (UC JAN FEB MAR APR	5.800 6.300 4.300 3.500 1.200 3.100 	5.400 4.100 4.100 3.100 .200 <t 2.400 .760 <t .930 <t .920 <t< td=""><td>5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000 150.000 120.000</td><td>5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000 18.000 17.000</td><td>3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE ** 49.000 120.000 55.000 56.000 51.000</td><td>3.700 5.200 5.600 4.100 3.500 BDL 2.300 4.500 5.800 4.900 5.600 7.300</td></t<></t </t </t 	5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000 150.000 120.000	5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000 18.000 17.000	3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE ** 49.000 120.000 55.000 56.000 51.000	3.700 5.200 5.600 4.100 3.500 BDL 2.300 4.500 5.800 4.900 5.600 7.300
AUG SEP OCT HOV DEC OPPER (UC JAN FEB MAR APR MAY	5.800 6.300 4.300 3.500 1.200 3.100 	5.400 4.100 4.100 3.100 .200 <t 2.400 .760 <t .930 <t .920 <t .910 <t 1.200</t </t </t </t </t 	5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000 150.000 120.000 94.000	5.400 5.800 4.200 3.200 BOL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000 18.000 17.000 19.000	3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE ** 49.000 120.000 55.000 56.000 51.000 11.000	3.700 5.200 5.600 4.100 3.500 BDL 2.300 4.500 5.800 4.900 5.600 7.300 81.000
AUG SEP OCT HOV DEC OPPER (UC JAN FEB MAR APR MAY JUN	5.800 6.300 4.300 3.500 1.200 3.100 6/L ) 1.300 1.700 1.800 2.900 2.600 1.900	5.400 4.100 4.100 3.100 .200 <t 2.400 .760 <t .930 <t .910 <t 1.200 .960 <t 1.200</t </t </t </t </t 	5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000 120.000 94.000 140.000	5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000 18.000 17.000 19.000 17.000	3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE ** 49.000 120.000 55.000 56.000 51.000 11.000 130.000	3.700 5.200 5.600 4.100 3.500 BDL 2.300 4.500 5.800 4.900 5.600 7.300 81.000 13.000
AUG SEP OCT HOV DEC  JAN FEB MAR APR MAY JUN JUL	5.800 6.300 4.300 3.500 1.200 3.100 G/L ) 1.300 1.700 1.800 2.900 2.600 1.900 .910 < T	5.400 4.100 4.100 3.100 .200 <t 2.400 .760 <t .930 <t .920 <t .910 <t 1.200 .960 <t 1.200 1.500</t </t </t </t </t </t 	5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000 120.000 94.000 140.000 100.000	5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000 18.000 17.000 19.000 17.000 21.000	3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE ** 49.000 120.000 55.000 56.000 51.000 11.000 130.000 140.000	3.700 5.200 5.600 4.100 3.500 BDL 2.300 1000 (A3) 4.500 5.800 4.900 5.600 7.300 81.000 13.000 15.000
AUG SEP OCT HOY DEC  JAN FEB MAR APR HAY JUN JUL AUG	5.800 6.300 4.300 3.500 1.200 3.100 G/L ) 1.300 1.700 1.800 2.900 2.600 1.900 .910 < T .860 < T	5.400 4.100 4.100 3.100 .200 <t 2.400 .760 <t .930 <t .910 <t 1.200 .960 <t 1.200</t </t </t </t </t 	5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000 120.000 94.000 140.000 100.000 88.000	5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000 18.000 17.000 19.000 17.000 21.000 21.000	3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE ** 49.000 120.000 55.000 56.000 51.000 11.000 130.000 140.000 280.000	3.700 5.200 5.600 4.100 3.500 BDL 2.300 *1000 (A3) 4.500 5.800 4.900 5.600 7.300 81.000 13.000 13.000
AUG SEP OCT HOV DEC  OPPER (UG JAN FEB MAR APR MAY JUN JUL AUG SEP	5.800 6.300 4.300 3.500 1.200 3.100 6/L ) 1.300 1.700 1.800 2.900 2.600 1.900 .910 <t .860 <t< td=""><td>5.400 4.100 4.100 3.100 .200 <t 2.400 .760 <t .930 <t .910 <t 1.200 .960 <t 1.200 1.500 1.100</t </t </t </t </t </td><td>5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000 120.000 94.000 140.000 100.000</td><td>5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000 18.000 17.000 19.000 17.000 21.000</td><td>3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE ** 49.000 120.000 55.000 56.000 51.000 11.000 130.000 140.000</td><td>3.700 5.200 5.600 4.100 3.500 BDL 2.300 1000 (A3) 4.500 5.800 4.900 5.600 7.300 81.000 13.000 15.000</td></t<></t 	5.400 4.100 4.100 3.100 .200 <t 2.400 .760 <t .930 <t .910 <t 1.200 .960 <t 1.200 1.500 1.100</t </t </t </t </t 	5.300 5.100 4.100 3.400 BDL 2.000 170.000 130.000 140.000 120.000 94.000 140.000 100.000	5.400 5.800 4.200 3.200 BDL 2.100 DET'N LIMIT = .10 14.000 12.000 17.000 18.000 17.000 19.000 17.000 21.000	3.500 5.400 6.000 5.000 3.800 BDL BDL 00 GUIDELINE ** 49.000 120.000 55.000 56.000 51.000 11.000 130.000 140.000	3.700 5.200 5.600 4.100 3.500 BDL 2.300 1000 (A3) 4.500 5.800 4.900 5.600 7.300 81.000 13.000 15.000

TABLE 5

# WATER TREATMENT PLANT

### DISTRIBUTION SYSTEM

JAN 35.00 FEB 62.00 MAR 29.00 APR 100.00 MAY 63.00 JUN 140.00 JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 MOV 93.00 DEC 47.00	00	9.500 <t 8.100 <t 7.300 <t 5.100 <t BDL 5.600 <t 6.300 <t BDL</t </t </t </t </t </t 	140.000 73.000 53.000 100.000 63.000 88.000	77.000 130.000 80.000 120.000	STANDING  0 GUIDELINE = 3 32.000 < T 33.000 < T 34.000 < T 72.000	30.000 <t 36.000 <t< th=""></t<></t 
JAN 35.00 FEB 62.00 MAR 29.00 APR 100.00 MAY 63.00 JUN 140.00 JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 MOV 93.00 DEC 47.00	00	8.100 <t 7.300 <t 5.100 <t BDL 5.600 <t 6.300 <t< th=""><th>73.000 53.000 100.000 63.000</th><th>77.000 130.000 80.000 120.000</th><th>32.000 <t 33.000 <t 34.000 <t< th=""><th>30.000 <t 36.000 <t< th=""></t<></t </th></t<></t </t </th></t<></t </t </t </t 	73.000 53.000 100.000 63.000	77.000 130.000 80.000 120.000	32.000 <t 33.000 <t 34.000 <t< th=""><th>30.000 <t 36.000 <t< th=""></t<></t </th></t<></t </t 	30.000 <t 36.000 <t< th=""></t<></t 
JAN 35.00 FEB 62.00 MAR 29.00 APR 100.00 MAY 63.00 JUN 140.00 JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 MOV 93.00 DEC 47.00	00	8.100 <t 7.300 <t 5.100 <t BDL 5.600 <t 6.300 <t< td=""><td>73.000 53.000 100.000 63.000</td><td>130.000 80.000 120.000</td><td>33.000 <t 34.000 <t< td=""><td>36.000 &lt;7</td></t<></t </td></t<></t </t </t </t 	73.000 53.000 100.000 63.000	130.000 80.000 120.000	33.000 <t 34.000 <t< td=""><td>36.000 &lt;7</td></t<></t 	36.000 <7
FEB 62.00 MAR 29.00 APR 100.00 MAY 63.00 JUN 140.00 JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 MOV 93.00 DEC 47.00	00	8.100 <t 7.300 <t 5.100 <t BDL 5.600 <t 6.300 <t< td=""><td>73.000 53.000 100.000 63.000</td><td>130.000 80.000 120.000</td><td>33.000 <t 34.000 <t< td=""><td>36.000 &lt;7</td></t<></t </td></t<></t </t </t </t 	73.000 53.000 100.000 63.000	130.000 80.000 120.000	33.000 <t 34.000 <t< td=""><td>36.000 &lt;7</td></t<></t 	36.000 <7
MAR 29.00 APR 100.00 MAY 63.00 JUN 140.00 JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 MOV 93.00 DEC 47.00	00 <t 00 00 00 00 00 00 00 00 <t< td=""><td>7.300 <t 5.100 <t BDL 5.600 <t 6.300 <t< td=""><td>53.000 100.000 63.000</td><td>80.000 120.000</td><td>34.000 <t< td=""><td></td></t<></td></t<></t </t </t </td></t<></t 	7.300 <t 5.100 <t BDL 5.600 <t 6.300 <t< td=""><td>53.000 100.000 63.000</td><td>80.000 120.000</td><td>34.000 <t< td=""><td></td></t<></td></t<></t </t </t 	53.000 100.000 63.000	80.000 120.000	34.000 <t< td=""><td></td></t<>	
APR 100.00 MAY 63.00 JUN 140.00 JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 NOV 93.00 DEC 47.00	00 00 00 00 00 00 00 <t< td=""><td>5.100 <t BDL 5.600 <t 6.300 <t< td=""><td>100.000 63.000</td><td>120.000</td><td></td><td>31.000 <t< td=""></t<></td></t<></t </t </td></t<>	5.100 <t BDL 5.600 <t 6.300 <t< td=""><td>100.000 63.000</td><td>120.000</td><td></td><td>31.000 <t< td=""></t<></td></t<></t </t 	100.000 63.000	120.000		31.000 <t< td=""></t<>
MAY 63.00 JUN 140.00 JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 NOV 93.00 DEC 47.00	00 00 00 00 00 00 <t< td=""><td>BDL 5.600 <t 6.300 <t< td=""><td>63.000</td><td></td><td>72.000</td><td></td></t<></t </td></t<>	BDL 5.600 <t 6.300 <t< td=""><td>63.000</td><td></td><td>72.000</td><td></td></t<></t 	63.000		72.000	
JUN 140.00 JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 NOV 93.00 DEC 47.00	00 00 00 00 <t< td=""><td>5.600 <t 6.300 <t< td=""><td></td><td>140 000</td><td></td><td>35.000 <t< td=""></t<></td></t<></t </td></t<>	5.600 <t 6.300 <t< td=""><td></td><td>140 000</td><td></td><td>35.000 <t< td=""></t<></td></t<></t 		140 000		35.000 <t< td=""></t<>
JUL 100.00 AUG 120.00 SEP 5.10 OCT 65.00 NOV 93.00 DEC 47.00	00 00 00 <t< td=""><td>6.300 <t< td=""><td>88.000</td><td>110.000</td><td>45.000 <t< td=""><td></td></t<></td></t<></td></t<>	6.300 <t< td=""><td>88.000</td><td>110.000</td><td>45.000 <t< td=""><td></td></t<></td></t<>	88.000	110.000	45.000 <t< td=""><td></td></t<>	
AUG 120.00 SEP 5.10 OCT 65.00 NOV 93.00 DEC 47.00	00 00 <t 00</t 			90.000	46.000 <t< td=""><td>110.000</td></t<>	110.000
SEP 5.10 OCT 65.00 NOV 93.00 DEC 47.00	00 <t 00</t 	BDL	45.000 <t< td=""><td>70.000</td><td>54.000</td><td>63.000</td></t<>	70.000	54.000	63.000
OCT 65.00 NOV 93.00 DEC 47.00	00		74.000	83.000	41.000 <t< td=""><td>38.000 <t< td=""></t<></td></t<>	38.000 <t< td=""></t<>
NOV 93.00 DEC 47.00		88.000	53.000	67.000	160.000	43.000 <t< td=""></t<>
DEC 47.00	10	BDL	61.000	95.000	490.000	40.000 <t< td=""></t<>
• • • • • • • • • • • • • • • • • • • •	-	6.300 <t< td=""><td>69.000</td><td>100.000</td><td>49.000 <t< td=""><td>40.000 <t< td=""></t<></td></t<></td></t<>	69.000	100.000	49.000 <t< td=""><td>40.000 <t< td=""></t<></td></t<>	40.000 <t< td=""></t<>
ERCURY (UG/L	T> 00	BOL	71.000	78.000	27.000 <t< td=""><td>27.000 &lt;1</td></t<>	27.000 <1
	)			DET'N LIMIT = 0.01	0 GUIDELINE =	1.000 (A1)
JAN BD	L	BDL		.050 <t< td=""><td></td><td>.070</td></t<>		.070
FEB BO		BOL		.060		.040 <t< td=""></t<>
MAR BD		BDL		.090		.050 <t< td=""></t<>
APR BD		BDL		.110		.050 <t< td=""></t<>
MAY BD		BOL		.090	•	.040 <t< td=""></t<>
JUN BD		.020 <t< td=""><td>·</td><td>.120</td><td>•</td><td>.060</td></t<>	·	.120	•	.060
	0 <t< td=""><td>.030 <t< td=""><td>•</td><td>.160</td><td>•</td><td>.110</td></t<></td></t<>	.030 <t< td=""><td>•</td><td>.160</td><td>•</td><td>.110</td></t<>	•	.160	•	.110
	0 <t< td=""><td>.030 <t< td=""><td>•</td><td>.150</td><td>•</td><td>.080</td></t<></td></t<>	.030 <t< td=""><td>•</td><td>.150</td><td>•</td><td>.080</td></t<>	•	.150	•	.080
SEP BD		BOL	•	.170	•	.100
OCT BD		.030 <t< td=""><td>٠</td><td>BOL</td><td>•</td><td>.080</td></t<>	٠	BOL	•	.080
NOV BD			•		•	.130
	0. <t< td=""><td>.020 <t< td=""><td>•</td><td>BOL</td><td></td><td>.100</td></t<></td></t<>	.020 <t< td=""><td>•</td><td>BOL</td><td></td><td>.100</td></t<>	•	BOL		.100
.02		.020 <1		BOL	•	
ANGANESE (UG/L	)			DET'N LIMIT = .050	GUIDELINE =	50.0 (A3)
JAN 8.80	0	4.000	3.600	3.900	3.100	2.700
FEB 9.00	Ю	2.200	3.600	4.600	3.500	2.600
MAR 11.00	Ю	2.700	2.900	3.500	2.900	2.500
APR 16.00	10	3.600	5.700	6.000	5.800	3.300
MAY 23.00	Ю	1.500	3.300	3.900	3.800	2.700
JUN 56.00	10	3.500	5.100	4.800	4.300	7,600
JUL 83.00	0	3.200	4.600	5.800	6.800	5.400
AUG 61.00	0	3.300	5.300	6.800	4.700	4,400
SEP 4.20	0	61.000	5.200	5.600	6.100	4.700
OCT 56.00		3.700	5.200	6.700	8.300	4.700
NOV 29.00		2.200	4.700	5.600	4.500	4.000
DEC 10.00		1.800	3.700	4.600	3.300	2.900
OLYBDENUM (UG/L	)			DET'N LIMIT = 0.02	O GUIDELINE = I	N/A
JAN .39		.530	.480 <t< td=""><td>.390 <t< td=""><td>.410 <t< td=""><td>.420 <t< td=""></t<></td></t<></td></t<></td></t<>	.390 <t< td=""><td>.410 <t< td=""><td>.420 <t< td=""></t<></td></t<></td></t<>	.410 <t< td=""><td>.420 <t< td=""></t<></td></t<>	.420 <t< td=""></t<>
	7> 04					
	0 <t 0 <t< td=""><td>.430 <t< td=""><td>.350 <t< td=""><td>.350 <t< td=""><td>.440 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<></t 	.430 <t< td=""><td>.350 <t< td=""><td>.350 <t< td=""><td>.440 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.350 <t< td=""><td>.350 <t< td=""><td>.440 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<></td></t<>	.350 <t< td=""><td>.440 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<>	.440 <t< td=""><td>.410 <t< td=""></t<></td></t<>	.410 <t< td=""></t<>
APR .52		.430 <t< td=""><td>.350 <t .650</t </td><td>.350 <t .670</t </td><td>.440 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<>	.350 <t .650</t 	.350 <t .670</t 	.440 <t< td=""><td>.410 <t< td=""></t<></td></t<>	.410 <t< td=""></t<>

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAY	.560	.470 <t< td=""><td>.550</td><td>.530</td><td>.550</td><td>.520</td></t<>	.550	.530	.550	.520
JUN	.640	.840	.760	.830	.690	.580
JUL	.610	.580	.610	.640	.580	.700
AUG	.470 <t< td=""><td>.640</td><td>.510</td><td>.560</td><td>.560</td><td>.630</td></t<>	.640	.510	.560	.560	.630
SEP	.690	.490 <t< td=""><td>.630</td><td>.620</td><td>.770</td><td>.690</td></t<>	.630	.620	.770	.690
OCT	.340 <t< td=""><td>.410 <t< td=""><td>.410 <t< td=""><td>.380 <t< td=""><td>.470 <t< td=""><td>.430 &lt;</td></t<></td></t<></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.410 <t< td=""><td>.380 <t< td=""><td>.470 <t< td=""><td>.430 &lt;</td></t<></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.380 <t< td=""><td>.470 <t< td=""><td>.430 &lt;</td></t<></td></t<></td></t<>	.380 <t< td=""><td>.470 <t< td=""><td>.430 &lt;</td></t<></td></t<>	.470 <t< td=""><td>.430 &lt;</td></t<>	.430 <
NOV	.300 <t< td=""><td>.410 <t< td=""><td>.400 <t< td=""><td>.400 <t< td=""><td>.420 <t< td=""><td>.390 &lt;</td></t<></td></t<></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.400 <t< td=""><td>.400 <t< td=""><td>.420 <t< td=""><td>.390 &lt;</td></t<></td></t<></td></t<></td></t<>	.400 <t< td=""><td>.400 <t< td=""><td>.420 <t< td=""><td>.390 &lt;</td></t<></td></t<></td></t<>	.400 <t< td=""><td>.420 <t< td=""><td>.390 &lt;</td></t<></td></t<>	.420 <t< td=""><td>.390 &lt;</td></t<>	.390 <
DEC	.360 <t< td=""><td>.360 <t< td=""><td>.390 <t< td=""><td>.410 <t< td=""><td>.350 &lt;7</td><td>.340 &lt;</td></t<></td></t<></td></t<></td></t<>	.360 <t< td=""><td>.390 <t< td=""><td>.410 <t< td=""><td>.350 &lt;7</td><td>.340 &lt;</td></t<></td></t<></td></t<>	.390 <t< td=""><td>.410 <t< td=""><td>.350 &lt;7</td><td>.340 &lt;</td></t<></td></t<>	.410 <t< td=""><td>.350 &lt;7</td><td>.340 &lt;</td></t<>	.350 <7	.340 <
CKEL (UC	G/L )			DET'N LIMIT = 0.	100 GUIDELINE =	50. (F3)
JAN	.410 <t< td=""><td>.190 <t< td=""><td>1.700 <t< td=""><td>.240 <t< td=""><td>.220 <t< td=""><td>BOL</td></t<></td></t<></td></t<></td></t<></td></t<>	.190 <t< td=""><td>1.700 <t< td=""><td>.240 <t< td=""><td>.220 <t< td=""><td>BOL</td></t<></td></t<></td></t<></td></t<>	1.700 <t< td=""><td>.240 <t< td=""><td>.220 <t< td=""><td>BOL</td></t<></td></t<></td></t<>	.240 <t< td=""><td>.220 <t< td=""><td>BOL</td></t<></td></t<>	.220 <t< td=""><td>BOL</td></t<>	BOL
FEB	80 L	BOL	2.300	BOL	BOL	BOL
MAR	BOL	BDL	2.600	BOL	.250 <t< td=""><td>.160 &lt;</td></t<>	.160 <
APR	.250 <t< td=""><td>BOL</td><td>8.200</td><td>.110 <t< td=""><td>1.000 <t< td=""><td>BOL</td></t<></td></t<></td></t<>	BOL	8.200	.110 <t< td=""><td>1.000 <t< td=""><td>BOL</td></t<></td></t<>	1.000 <t< td=""><td>BOL</td></t<>	BOL
HAY	1.500 <t< td=""><td>1.100 <t< td=""><td>2.300</td><td>.900 <t< td=""><td>.950 <t< td=""><td>.840 &lt;</td></t<></td></t<></td></t<></td></t<>	1.100 <t< td=""><td>2.300</td><td>.900 <t< td=""><td>.950 <t< td=""><td>.840 &lt;</td></t<></td></t<></td></t<>	2.300	.900 <t< td=""><td>.950 <t< td=""><td>.840 &lt;</td></t<></td></t<>	.950 <t< td=""><td>.840 &lt;</td></t<>	.840 <
JUN	BDL	BOL	4,500	BOL	BDL	80L
JUL	BOL	BOL	88.000	BOL	BOL	BOL
AUG	1.500 <t< td=""><td>1.100 <t< td=""><td>2.100</td><td>1,100 <t< td=""><td>210.000</td><td>1,200</td></t<></td></t<></td></t<>	1.100 <t< td=""><td>2.100</td><td>1,100 <t< td=""><td>210.000</td><td>1,200</td></t<></td></t<>	2.100	1,100 <t< td=""><td>210.000</td><td>1,200</td></t<>	210.000	1,200
SEP	.120 <t< td=""><td>.460 <t< td=""><td>3.200</td><td>.440 <t< td=""><td>720.000</td><td>1.300 &lt;</td></t<></td></t<></td></t<>	.460 <t< td=""><td>3.200</td><td>.440 <t< td=""><td>720.000</td><td>1.300 &lt;</td></t<></td></t<>	3.200	.440 <t< td=""><td>720.000</td><td>1.300 &lt;</td></t<>	720.000	1.300 <
OCT	BDL	BOL	7.700	BDL	BDL	BDL
NOV	.120 <t< td=""><td>.680 <t< td=""><td>12.000</td><td>.820 <t< td=""><td>.770 <t< td=""><td>.450 &lt;</td></t<></td></t<></td></t<></td></t<>	.680 <t< td=""><td>12.000</td><td>.820 <t< td=""><td>.770 <t< td=""><td>.450 &lt;</td></t<></td></t<></td></t<>	12.000	.820 <t< td=""><td>.770 <t< td=""><td>.450 &lt;</td></t<></td></t<>	.770 <t< td=""><td>.450 &lt;</td></t<>	.450 <
DEC	BOL	BDL	7.100	BOL	BDL	BOL
AD (UG/L	. )			DET'N LIMIT = 0.	050 GUIDELINE =	50. (A1)
JAN	.410	.060 <t< td=""><td>8.600</td><td>.130 <t< td=""><td>.700</td><td>.100 &lt;</td></t<></td></t<>	8.600	.130 <t< td=""><td>.700</td><td>.100 &lt;</td></t<>	.700	.100 <
FEB	.470	.030 <t< td=""><td>.410</td><td>,060 <t< td=""><td>1.100</td><td>BOL</td></t<></td></t<>	.410	,060 <t< td=""><td>1.100</td><td>BOL</td></t<>	1.100	BOL
MAR	1.200	.220	.880	.290	1.200	. 290
APR	1,900	.150 <t< td=""><td>1.100</td><td>.780</td><td>1.800</td><td>.320</td></t<>	1.100	.780	1.800	.320
MAY	19.000	.240	.960	.200 <t< td=""><td>1,000</td><td>.180</td></t<>	1,000	.180
JUN	1.300	.150 <t< td=""><td>.790</td><td>.160 <t< td=""><td>.380</td><td>1.300</td></t<></td></t<>	.790	.160 <t< td=""><td>.380</td><td>1.300</td></t<>	.380	1.300
JUL	.830	.110 <t< td=""><td>1.100</td><td>.250</td><td>2.200</td><td>.470</td></t<>	1.100	.250	2.200	.470
AUG	1.200	.430	1.100	.230	1.500	.580
SEP	.460	.960	.910	.390	5.700	.820
OCT	.550	BOL	.650	.190 <t< td=""><td>8.800</td><td>.260</td></t<>	8.800	.260
NOV	.740	.030 <t< td=""><td>.660</td><td>.110 <t< td=""><td>.780</td><td>.190</td></t<></td></t<>	.660	.110 <t< td=""><td>.780</td><td>.190</td></t<>	.780	.190
DEC	.300	.090 <t< td=""><td>1.300</td><td>.390</td><td>2.100</td><td>.110</td></t<>	1.300	.390	2.100	.110
TIMONY (	(UG/L )			DET'N LIMIT = .0	50 GUIDELINE =	146. (D4)
JAN	.400	.420	.390	.470	.460	.400
FEB	.420	.440	.490	.440	.410	.500
HAR	.570	.610	.570	.490	.530	.500
APR	.470	.560	.820	.760	.710	.510
HAY	.820	.860	.850	.810	.880	.790
JUN	.650	.860	1.100	.910	.940	.910
JUL	.540	.540	.820	.720	.530	.610
AUG	.550	.590	.640	.710	.620	.750
SED	750	580	670	640	.620	.530

THALLIUM (UG/L )

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
OCT	.400	.530	.510	.520	.520	.550
NOV	.300	.330	.440	.430	.480	.370
DEC	.390	.510	.540	.510	.420	.440
SELENIUM	(UG/L )			DET'N LIMIT = 0	.200 GUIDELINE =	10. (A1)
JAN	BOL	BOL	.470 <t< td=""><td>.360 <t< td=""><td>1.000 &lt;</td><td>T .570 <t< td=""></t<></td></t<></td></t<>	.360 <t< td=""><td>1.000 &lt;</td><td>T .570 <t< td=""></t<></td></t<>	1.000 <	T .570 <t< td=""></t<>
FEB	BOL	.260 <t< td=""><td>BOL</td><td>1.400 <t< td=""><td>.520 &lt;</td><td>T 1.300 <t< td=""></t<></td></t<></td></t<>	BOL	1.400 <t< td=""><td>.520 &lt;</td><td>T 1.300 <t< td=""></t<></td></t<>	.520 <	T 1.300 <t< td=""></t<>
MAR	4.200 <t< td=""><td>4.200 <t< td=""><td>4.200 <t< td=""><td>4.400 <t< td=""><td>3.100 &lt;</td><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	4.200 <t< td=""><td>4.200 <t< td=""><td>4.400 <t< td=""><td>3.100 &lt;</td><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<>	4.200 <t< td=""><td>4.400 <t< td=""><td>3.100 &lt;</td><td>1.300 <t< td=""></t<></td></t<></td></t<>	4.400 <t< td=""><td>3.100 &lt;</td><td>1.300 <t< td=""></t<></td></t<>	3.100 <	1.300 <t< td=""></t<>
APR	2.700 <t< td=""><td>1.600 <t< td=""><td>11.000</td><td>10.000 <t< td=""><td>7.700 &lt;</td><td>T 3.000 <t< td=""></t<></td></t<></td></t<></td></t<>	1.600 <t< td=""><td>11.000</td><td>10.000 <t< td=""><td>7.700 &lt;</td><td>T 3.000 <t< td=""></t<></td></t<></td></t<>	11.000	10.000 <t< td=""><td>7.700 &lt;</td><td>T 3.000 <t< td=""></t<></td></t<>	7.700 <	T 3.000 <t< td=""></t<>
MAY	2.000 <t< td=""><td>3.600 <t< td=""><td>.660 <t< td=""><td>2.200 <t< td=""><td>2.500 &lt;</td><td>7 2.400 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	3.600 <t< td=""><td>.660 <t< td=""><td>2.200 <t< td=""><td>2.500 &lt;</td><td>7 2.400 <t< td=""></t<></td></t<></td></t<></td></t<>	.660 <t< td=""><td>2.200 <t< td=""><td>2.500 &lt;</td><td>7 2.400 <t< td=""></t<></td></t<></td></t<>	2.200 <t< td=""><td>2.500 &lt;</td><td>7 2.400 <t< td=""></t<></td></t<>	2.500 <	7 2.400 <t< td=""></t<>
JUN	.850 <t< td=""><td>.970 &lt;1</td><td>2.300 <t< td=""><td>2.100 <t< td=""><td>2.500 &lt;</td><td>1.100 <t< td=""></t<></td></t<></td></t<></td></t<>	.970 <1	2.300 <t< td=""><td>2.100 <t< td=""><td>2.500 &lt;</td><td>1.100 <t< td=""></t<></td></t<></td></t<>	2.100 <t< td=""><td>2.500 &lt;</td><td>1.100 <t< td=""></t<></td></t<>	2.500 <	1.100 <t< td=""></t<>
JUL	BOL	BOL	2.200 <t< td=""><td>BOL</td><td>BOL</td><td>1.600 <t< td=""></t<></td></t<>	BOL	BOL	1.600 <t< td=""></t<>
AUG	1.300 <t< td=""><td>1.600 <t< td=""><td>1.100 <t< td=""><td>BDL</td><td>1.200 &lt;</td><td>7 2.700 <t< td=""></t<></td></t<></td></t<></td></t<>	1.600 <t< td=""><td>1.100 <t< td=""><td>BDL</td><td>1.200 &lt;</td><td>7 2.700 <t< td=""></t<></td></t<></td></t<>	1.100 <t< td=""><td>BDL</td><td>1.200 &lt;</td><td>7 2.700 <t< td=""></t<></td></t<>	BDL	1.200 <	7 2.700 <t< td=""></t<>
SEP	3.400 <t< td=""><td>5.500</td><td>2.000 <t< td=""><td>BOL</td><td>1.100 &lt;</td><td>BOL</td></t<></td></t<>	5.500	2.000 <t< td=""><td>BOL</td><td>1.100 &lt;</td><td>BOL</td></t<>	BOL	1.100 <	BOL
OCT	BOL	BOL	BOL	BOL	BOL	BOL
NOV	BOL	BOL	BOL	SOL	BDL .	BOL
DEC	BOL	BDL	BOL	BOL	BOL	BOL
STRONTIUM	(UG/L )	**********		DET'N LIMIT = .(	050 GUIDELINE =	N/A
JAN	130.000	140.000	140.000	130.000	140.000	140.000
FEB	130,000	130.000	130.000	130.000	130.000	120,000
HAR	140.000	140.000	140.000	130.000	130.000	130.000
APR	120.000	120,000	120.000	120.000	120.000	110,000
MAY	130,000	130,000	140,000	130,000	130,000	130.000
JUN	130.000	130.000	130.000	130.000	120,000	120,000
JUL	130.000	120,000	120.000	120,000	140,000	130.000
AUG	130.000	130.000	130.000	140.000	140,000	140.000
SEP	140.000	140.000	150.000	150,000	160,000	160.000
OCT	140.000	150.000	150,000	140.000	150,000	140,000
NOV	140.000	130.000	140.000	130.000	140.000	140.000
DEC	150.000	140.000	150.000	140.000	140.000	140.000
TITANIUH	(UG/L )	• • • • • • • • • • • • • • • • • • •	•••••	DET'N LIMIT = .0	050 GUIDELINE =	N/A
JAN	4.200	3.200	3.600	2.900	2,900	2.800
FEB	5.200	3.000	3.300	3.400	3.000	2.900
HAR	4.500	3.900	5.000	4.600	4.600	4.600
APR	11.000	7.700	7.900	8.000	8.100	7.600
HAY	4.900	4.900	4.800	4.400	4.600	4.300
JUN	8.400	5.800	5.600	6.000	6.000	5.900
JUL	8.200	6.300	6.700	6.400	6.900	6.500
AUG	6.200	4.600	4.200	4.400	4.300	4.400
SEP	7.300	8.100	5.400	6.100	6.000	6.000
OCT	3.300	2.600	3.200	4.000	2,900	2.700
NOV	5.100	3.600	4.900	4,900	3.400	3.100
DEC	5.600	4.600	5.700	4.900	4.700	4.600

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JAN	BOL	BOL	BOL	BOL	BDL	BDL
FEB	BOL	BOL	BOL	BOL	.050	
MAR	BDL	.040 <t< td=""><td>BOL</td><td>BOL</td><td>BOL</td><td>BOL</td></t<>	BOL	BOL	BOL	BOL
APR	.090 <t< td=""><td>.070 <t< td=""><td>.610</td><td>.560</td><td>.440</td><td>BOL</td></t<></td></t<>	.070 <t< td=""><td>.610</td><td>.560</td><td>.440</td><td>BOL</td></t<>	.610	.560	.440	BOL
MAY	BOL	BDL	BDL	BOL	BOL	BDL
JUN	.080 <t< td=""><td>.040 <t< td=""><td>.040 &lt;1</td><td></td><td>.050</td><td></td></t<></td></t<>	.040 <t< td=""><td>.040 &lt;1</td><td></td><td>.050</td><td></td></t<>	.040 <1		.050	
JUL	BOL	BOL	BOL	BDL	BOL	BDL
AUG	BOL	.030 <t< td=""><td>.030 &lt;1</td><td></td><td>.020</td><td></td></t<>	.030 <1		.020	
SEP	.080 <t< td=""><td>.060 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.060 <t< td=""><td></td><td></td><td></td><td></td></t<>				
OCT	BDL		.050 <1		.020	
		BDL	BDL	BOL	BOL	BDL
NOV	BOL	BO L	BOL	BDL	BDL	BOL
DEC	BOL	BOL	.020 <1	BOL	BOL	BOL
RANIUM (UG/	L )			DET'N LIMIT = .020	GUIDELINE	= 100.(B1)
JAN	.240	.160 <t< td=""><td>.140 &lt;1</td><td>.150 <t< td=""><td>.160</td><td><t .170="" <<="" td=""></t></td></t<></td></t<>	.140 <1	.150 <t< td=""><td>.160</td><td><t .170="" <<="" td=""></t></td></t<>	.160	<t .170="" <<="" td=""></t>
FEB	.200 <t< td=""><td>.120 <t< td=""><td>.090 &lt;1</td><td>.120 <t< td=""><td>.180</td><td><t .130="" <<="" td=""></t></td></t<></td></t<></td></t<>	.120 <t< td=""><td>.090 &lt;1</td><td>.120 <t< td=""><td>.180</td><td><t .130="" <<="" td=""></t></td></t<></td></t<>	.090 <1	.120 <t< td=""><td>.180</td><td><t .130="" <<="" td=""></t></td></t<>	.180	<t .130="" <<="" td=""></t>
MAR	.440	.340	.190 <1	.200 <t< td=""><td>.160</td><td><t .230<="" td=""></t></td></t<>	.160	<t .230<="" td=""></t>
APR	.400	.250	.580	.600	.530	.170 <
HAY	.400	.120 <t< td=""><td>.090 &lt;1</td><td>.130 <t< td=""><td>.090</td><td><t .080="" <<="" td=""></t></td></t<></td></t<>	.090 <1	.130 <t< td=""><td>.090</td><td><t .080="" <<="" td=""></t></td></t<>	.090	<t .080="" <<="" td=""></t>
JUN	.350	.080 <t< td=""><td>.180 &lt;1</td><td>.040 <t< td=""><td>.170</td><td></td></t<></td></t<>	.180 <1	.040 <t< td=""><td>.170</td><td></td></t<>	.170	
JUL	.330	.080 <t< td=""><td>BOL</td><td>.060 <t< td=""><td>. 150</td><td></td></t<></td></t<>	BOL	.060 <t< td=""><td>. 150</td><td></td></t<>	. 150	
AUG	.350	.090 <t< td=""><td>.080 &lt;1</td><td></td><td>.150</td><td></td></t<>	.080 <1		.150	
SEP	.060 <t< td=""><td>.300</td><td>.060 &lt;1</td><td></td><td>.070</td><td></td></t<>	.300	.060 <1		.070	
OCT	.220	.070 <t< td=""><td>.060 &lt;1</td><td></td><td>.080</td><td></td></t<>	.060 <1		.080	
NOV	.220	.070 <7	.050 <1		.040	
DEC	.300	.140 <t< td=""><td>.140 &lt;7</td><td></td><td>.120</td><td></td></t<>	.140 <7		.120	
ANADIUM (UG)	/L )			DET'N LIMIT = .050	GUIDELINE	= N/A
JAN	.310 <t< td=""><td>.600</td><td>1.300</td><td>.760</td><td>.840</td><td>.550</td></t<>	.600	1.300	.760	.840	.550
FEB	.250 <t< td=""><td>.530</td><td>.570</td><td>.650</td><td>.750</td><td>.420</td></t<>	.530	.570	.650	.750	.420
MAR	.180 <t< td=""><td>.780</td><td>.910</td><td>.820</td><td>.900</td><td>.620</td></t<>	.780	.910	.820	.900	.620
APR	.510	.940	1.100	1.000	1.500	.670
HAY	.470 <t< td=""><td>.520</td><td>.650</td><td>.530</td><td>.700</td><td>.520</td></t<>	.520	.650	.530	.700	.520
JUN	.760	.570	.520	.510	.560	.720
JUL	.680	.580	.530	.550	.570	.520
AUG	.950	.670	.590	.550	.550	.600
SEP	.640	.760	.480 <1		.650	.510
OCT	.480 <t< td=""><td>.360 <t< td=""><td>.330 &lt;1</td><td></td><td>.630</td><td>.310 &lt;</td></t<></td></t<>	.360 <t< td=""><td>.330 &lt;1</td><td></td><td>.630</td><td>.310 &lt;</td></t<>	.330 <1		.630	.310 <
NOA	.440 <t< td=""><td>.270 <t< td=""><td>.300 <t< td=""><td></td><td>.290</td><td></td></t<></td></t<></td></t<>	.270 <t< td=""><td>.300 <t< td=""><td></td><td>.290</td><td></td></t<></td></t<>	.300 <t< td=""><td></td><td>.290</td><td></td></t<>		.290	
DEC	.390 <t< td=""><td>.380 <t< td=""><td>.420 &lt;7</td><td>.340 <t< td=""><td>.380</td><td><t .330="" <<="" td=""></t></td></t<></td></t<></td></t<>	.380 <t< td=""><td>.420 &lt;7</td><td>.340 <t< td=""><td>.380</td><td><t .330="" <<="" td=""></t></td></t<></td></t<>	.420 <7	.340 <t< td=""><td>.380</td><td><t .330="" <<="" td=""></t></td></t<>	.380	<t .330="" <<="" td=""></t>
INC (UG/L	)			DET'N LIMIT = .001	GUIDELINE	= 5000. (A3)
JAN	3.700	1.800	13.000	2.000	11.000	1.900
FEB	4.200	2.200	31.000	2.300	11.000	5.300
HAR	5.700	2.800	34.000	2.400	7.400	2.800
APR	4.100	2.900	88.000	3.600	14.000	3.100
HAY	9.600	3.300	34.000	2.700	14.000	2.800

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
*******			STANDING	FREE FLOW	STANDING	FREE FLOW
JUN	5.800	3.000	71.000	2.900	3.300	12.000
JUL	2.700	2.600	130.000	3.500	23.000	3.600
AUG	1.500	1.300	14.000	.940 <t< td=""><td>24.000</td><td>2.600</td></t<>	24.000	2.600
SEP	2.400	2.900	19.000	1.800	100.000	3.100
OCT	.830 <t< td=""><td>1.500</td><td>95.000</td><td>3.300</td><td>60.000</td><td>1.800</td></t<>	1.500	95.000	3.300	60.000	1.800
NOV	2.400	1.800	120.000	2.900	9.100	2.600
DEC	1.000 <t< td=""><td>1.600</td><td>190.000</td><td>2.300</td><td>20.000</td><td>1.900</td></t<>	1.600	190.000	2.300	20.000	1.900

TABLE 5

	RAW		TREATED	SITE 1			SITE 2	
				STANDING	FREE FLOW		STANDING	FREE FLOW
	PI	STICIDES	& PCB					
LPHA BHC	(NG/L			DET'N LI	MIT = 1.000		GUIDELINE =	700 (G)
JAN	BOL		BDL		BOL			BOL
FEB	2.000	<t< td=""><td>3.000</td><td>σ.</td><td>1.000</td><td><t< td=""><td></td><td>1.000 &lt;</td></t<></td></t<>	3.000	σ.	1.000	<t< td=""><td></td><td>1.000 &lt;</td></t<>		1.000 <
MAR	2.000	<t< td=""><td>BOL</td><td></td><td>1.000</td><td><t< td=""><td></td><td>2.000 &lt;</td></t<></td></t<>	BOL		1.000	<t< td=""><td></td><td>2.000 &lt;</td></t<>		2.000 <
APR	BDL		! PE	•	BOL			IPE
HAY	BOL		BDL		BOL			80 L
JUN	BDL		BDL		BOL			BOL
JUL	BOL		BDL		BOL			BOL
AUG	BOL		BDL		BOL			BDL
SEP	BDL		BDL		BOL		•	80 L
OCT	BDL		BDL	•	BOL		•	BDL
NOV	BOL		BDL	0	BOL		•	BOL
DEC	BOL		BDL	•	BOL			BDL
INDANE (	NG/L )			DET'N LI	MIT = 1.000		GUIDELINE =	4000 (A1)
JAN	BDL		BDL	•	1.000	<t< td=""><td>•</td><td>BOL</td></t<>	•	BOL
FEB	1.000	<7	2.000	<Τ .	BDL			BOL
HAR	1.000	<t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td></td><td>1.000 &lt;</td></t<>	BOL		BOL			1.000 <
APR	BOL		IPE		BDL			IPE
MAY	BOL		BOL	•	BDL			BDL
JUN	BOL		BDL		BOL			BOL
JUL	BDL		BDL		BDL			BOL
AUG	BOL		BDL		BOL			- BDL
SEP	BOL		BDL		BDL			BOL
OCT	BOL		BOL		BOL			BDL
HOV	BOL		BOL		BOL			BOL
DEC	BOL		BDL		BDL			BOL

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

RAW		TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	PHENOL	.ICS				
PHENOLICS	(UG/L )		DET'N L	IMIT = 0.2	GUIDELINE =	2.00 (A3)
JAN	1.600	1.000		•		
FEB	4.600	3.800				
HAR	2.400	2.200				
APR	5.000	3.400			•	•
HAY	3.000	4.800		•		
JUN	2.400	2.400				
JUL	1.600	1.200				•
AUG	1.400	1.200			•	
SEP	1.000 <t< td=""><td>.800 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.800 <t< td=""><td></td><td></td><td></td><td></td></t<>				
OCT	3.000	2.200		INR	•	INR
NOV	1.600	1.600	•	•		•
DEC	3.000	2.000	•	•	•	•

	RAW	TREATED	SITE 1		SITE Z	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	VOLATI	EC			• • • • • • • • • • • • •	
BENZENE (UG		123		DET'N LIMIT = .050	GUIDELINE =	5.0 (81)
JAN	BOL	BOL		RO L		BOL
FEB	BOL	BDL		BOL		BOL
HAR	BOL	BDL	·	BOL		BOL
APR	BOL	.100 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
MAY	8DL	BOL	-	BOL		BOL
JUN	BOL	BDL		BDL		.050 <1
JUL	BOL	BOL	•	BOL		.050 <1
AUG	.050 <t< td=""><td>BOL</td><td>•</td><td>BOL</td><td>•</td><td>BOL</td></t<>	BOL	•	BOL	•	BOL
SEP	BDL	BDL	•	.050 <t< td=""><td>•</td><td>.050 &lt;1</td></t<>	•	.050 <1
OCT	BDL	BOL	•	BOL	•	BOL
HOV	BOL	BOL	•	BOL	9	BOL
DEC	BOL	BOL		BOL		BOL
TOLUENE (UG	/L )			DET'N LIMIT = .050	GUIDELINE =	24.0 (B4)
(00)	, _ ,			0E1 N E11111 - 1030	OUT OF THE	2410 (04)
JAN	.050 <t< td=""><td>.100 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<></td></t<>	.100 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
FEB	BOL	BOL		BOL	•	BOL
MAR	BOL	BOL		BDL		BOL
APR	BOL	.050 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
MAY	BDL	.200 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.100 <t< td=""><td></td><td>BOL</td></t<>		BOL
JUN	BDL	BOL		BOL		.100 <1
JUL	BOL	.100 <t< td=""><td></td><td>.150 <t< td=""><td></td><td>.150 &lt;1</td></t<></td></t<>		.150 <t< td=""><td></td><td>.150 &lt;1</td></t<>		.150 <1
AUG	BOL	.150 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
SEP	.050 <t< td=""><td>.100 <t< td=""><td></td><td>.050 <t< td=""><td></td><td>.050 &lt;1</td></t<></td></t<></td></t<>	.100 <t< td=""><td></td><td>.050 <t< td=""><td></td><td>.050 &lt;1</td></t<></td></t<>		.050 <t< td=""><td></td><td>.050 &lt;1</td></t<>		.050 <1
OCT	BDL	.100 <t< td=""><td></td><td>.050 <t< td=""><td></td><td>.100 &lt;1</td></t<></td></t<>		.050 <t< td=""><td></td><td>.100 &lt;1</td></t<>		.100 <1
NOV	BOL	BOL		.150 <t< td=""><td></td><td>BOL</td></t<>		BOL
DEC	BOL	BOL		BOL		BOL
THYLBENZEN	E (UG/L )		*************	DET'N LIMIT = .050	GUIDELINE =	2.4 (B4)
	,				0010221112	
JAN	BDL	.050 <t< td=""><td>•</td><td>BOL</td><td>•</td><td>BDL</td></t<>	•	BOL	•	BDL
FEB	.050 <7	.050 <t< td=""><td></td><td>BO L</td><td></td><td>.050 &lt;1</td></t<>		BO L		.050 <1
HAR	BOL	.050 <t< td=""><td></td><td>BOL</td><td>•</td><td>BOL</td></t<>		BOL	•	BOL
APR	BOL	.100 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.100 <t< td=""><td></td><td>BOL</td></t<>		BOL
MAY	BOL	BOL		BDL		BOL
JUN	BOL	BOL		BDL		BOL
JUL	BDL	.050 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
AUG	BOL	.050 <t< td=""><td></td><td>BOL</td><td>-</td><td>BOL</td></t<>		BOL	-	BOL
SEP	BOL	BOL		BOL	-	BOL
OCT	BDL	BOL		BOL	•	BOL
NOV	BDL	BOL		BOL	•	BOL
DEC	BOL	BOL	•	BOL	47	BOL
I-XYLENE (UC	G/L )			DET'N LIMIT = .100	GUIDELINE =	300 (B4)
	BDI			P01		
JAN FEB	BD L BD L	BOL	٠	BOL	•	BOL

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	BOL	BOL		.200 <t< td=""><td></td><td>BOL</td></t<>		BOL
HAY	BOL	BOL		BOL		BOL
JUN	BOL	BOL		BOL		BOL
JUL	BOL	BOL		BOL		BOL
AUG	BOL	.100 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
SEP	BDL	BOL		BOL		BOL
OCT	BOL	BDL		BOL		BOL
NOV	BOL	80L		BOL		BOL
DEC	BOL	BOL	•	BOL		BOL
XYLENE (UG	/L )	**********		DET'N LIMIT = .0!	50 GUIDELINE =	300 (84)
JAN	BDL	BDL	•	BOL		BOL
FEB	BOL	BDL	0	BOL	•	BOL
HAR	BDL	BDL		.050 <t< td=""><td></td><td>BOL</td></t<>		BOL
APR	.050 <t< td=""><td>BDL</td><td></td><td>.100 <t< td=""><td>•</td><td>BOL</td></t<></td></t<>	BDL		.100 <t< td=""><td>•</td><td>BOL</td></t<>	•	BOL
HAY	BDL	.050 <t< td=""><td></td><td>BOL</td><td>4</td><td>BDL</td></t<>		BOL	4	BDL
JUN	BDL	BOL		BDL		.050 <
JUL	BDL	BOL	•	BDL		BOL
AUG	BOL	.050 <t< td=""><td></td><td>BDL</td><td></td><td>BOL</td></t<>		BDL		BOL
SEP	BOL	.050 <t< td=""><td></td><td>BDL</td><td></td><td>BOL</td></t<>		BDL		BOL
OCT	BDL	BOL		BOL		BDL
HOV	BOL	BOL		80L		BOL
DEC	BOL	BDL		BOL		BOL
YRENE (UG/	L )			DET'N LIMIT = .05	50 GUIDELINE =	46.5 (D2)
JAN	.200 <t< td=""><td>.100 <t< td=""><td></td><td>BOL</td><td>•</td><td>.200 &lt;</td></t<></td></t<>	.100 <t< td=""><td></td><td>BOL</td><td>•</td><td>.200 &lt;</td></t<>		BOL	•	.200 <
FEB	.200 <t< td=""><td>.100 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.100 &lt;</td></t<></td></t<></td></t<>	.100 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.100 &lt;</td></t<></td></t<>		.100 <t< td=""><td></td><td>.100 &lt;</td></t<>		.100 <
HAR	.250 <t< td=""><td>BDL</td><td></td><td>.300 <t< td=""><td></td><td>BOL</td></t<></td></t<>	BDL		.300 <t< td=""><td></td><td>BOL</td></t<>		BOL
APR	.250 <t< td=""><td>.050 <t< td=""><td>•</td><td>.400 <t< td=""><td></td><td>.050 &lt;</td></t<></td></t<></td></t<>	.050 <t< td=""><td>•</td><td>.400 <t< td=""><td></td><td>.050 &lt;</td></t<></td></t<>	•	.400 <t< td=""><td></td><td>.050 &lt;</td></t<>		.050 <
HAY	BOL	.050 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.100 <t< td=""><td></td><td>BOL</td></t<>		BOL
JUN	BOL	BOL	•	.250 <t< td=""><td>•</td><td>.150 &lt;</td></t<>	•	.150 <
JUL	BDL	.350 <t< td=""><td>•</td><td>.100 <t< td=""><td></td><td>.150 &lt;</td></t<></td></t<>	•	.100 <t< td=""><td></td><td>.150 &lt;</td></t<>		.150 <
AUG	.050 <t< td=""><td>BDL</td><td>•</td><td>.100 <t< td=""><td>•</td><td>.200 &lt;</td></t<></td></t<>	BDL	•	.100 <t< td=""><td>•</td><td>.200 &lt;</td></t<>	•	.200 <
SEP	BOL	BOL	•	.150 <t< td=""><td>•</td><td>.100 &lt;</td></t<>	•	.100 <
OCT	BOL	BOL	•	BDL	•	.050 <
NOV	BOL	BOL	•	BD L	•	BOL
DEC	BDL	.050 <t< td=""><td>•</td><td>BDL</td><td>•</td><td>.050 &lt;</td></t<>	•	BDL	•	.050 <
LOROFORM (	JG/L )	****		DET'N LIMIT = .10	00 GUIDELINE =	350 (A1+)
JAN	.200 <t< td=""><td>86.000</td><td>•</td><td>72.600</td><td>•</td><td>71.200</td></t<>	86.000	•	72.600	•	71.200
FEB	.200 <t< td=""><td>90.400</td><td></td><td>77.400</td><td>•</td><td>101.800</td></t<>	90.400		77.400	•	101.800
MAR	.900 <t< td=""><td>90.000</td><td></td><td>88.300</td><td></td><td>98.000</td></t<>	90.000		88.300		98.000
APR	1.900	110.000		78.600	•	85.600
MAY	.600 <t< td=""><td>150.000</td><td></td><td>100.000</td><td>•</td><td>135.000</td></t<>	150.000		100.000	•	135.000
JUN	.500 <t< td=""><td>147.000</td><td></td><td>134.000</td><td></td><td>145.000</td></t<>	147.000		134.000		145.000
JUL	1.100	160.000		129.500		125.000
AUG	.700 <t< td=""><td>154.000</td><td></td><td>154.000</td><td></td><td>131.000</td></t<>	154.000		154.000		131.000

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	.200 <t< td=""><td>148.000</td><td></td><td>132.000</td><td></td><td>137.000</td></t<>	148.000		132.000		137.000
OCT	.400 <t< td=""><td>117.700</td><td></td><td>97,100</td><td></td><td>95.800</td></t<>	117.700		97,100		95.800
NOV	BOL	91,200	-	73,100		89.100
DEC	.200 <t< td=""><td>103.000</td><td>•</td><td>75.500</td><td></td><td>96.500</td></t<>	103.000	•	75.500		96.500
111, TRICHLO	DROETHANE (UG/L	)		DET'N LIMIT = .020	GUIDELINE =	200 (D1)
JAN	.040 <t< td=""><td>BOL</td><td>•</td><td>BOL</td><td></td><td>BOL</td></t<>	BOL	•	BOL		BOL
FEB	BD L	BOL		BOL		BDL
MAR	.080 <t< td=""><td>. 060 <t< td=""><td></td><td>.060 <t< td=""><td>•</td><td>.060 <t< td=""></t<></td></t<></td></t<></td></t<>	. 060 <t< td=""><td></td><td>.060 <t< td=""><td>•</td><td>.060 <t< td=""></t<></td></t<></td></t<>		.060 <t< td=""><td>•</td><td>.060 <t< td=""></t<></td></t<>	•	.060 <t< td=""></t<>
APR	.020 <t< td=""><td>BOL</td><td></td><td>BDL</td><td></td><td>BOL</td></t<>	BOL		BDL		BOL
HAY	BOL	BOL		BDL		BOL
JUN	BDL	BDL		BOL		BOL
JUL	BDL	BOL		BOL		BOL
AUG	BDL	BOL		BOL		BOL
SEP	.060 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td>BOL</td></t<>	BOL		BOL		BOL
OCT	.040 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td>BOL</td></t<>	BOL		BOL		BOL
NOV	BDL	BOL		BOL		BOL
DEC	BOL	BDL		BOL		BDL
ICHLOROBROM	OMETHANE (UG/L	)		DET'N LIMIT = .050	) GUIDELINE =	350 (A1+)
JAN	BOL	8.300		6.900		6.700
FEB	BDL	7.400	*	6.750	•	8.000
HAR	BOL	7.050	•	6.600	•	7.200
APR	.350 <t< td=""><td>6.550</td><td>٠</td><td>5.150</td><td>•</td><td>5.200</td></t<>	6.550	٠	5.150	•	5.200
HAY	BDL	6.500	•		•	6.600
JUN	BOL		•	6.300	•	
		6.800	•	6.450	•	6.600 AP
JUL	BOL	7.500	•	6.400	•	7.100
AUG	BOL	9.750	۰	8.800	•	7.600
SEP	BOL	10.550	•	9.600	•	10.450
OCT	BOL	9.750	•	9.050 SPS		8.600
NOV	BOL	8.300	•	7.400	•	7.600 AP
DEC	BOL	7.000		5.300		6.400
HLORODIBROM	OMETHANE (UG/L	)		DET'N LIMIT = .100	GUIDELINE =	350 (A1+)
JAN	80L	.400 <t< td=""><td>•</td><td>.300 <t< td=""><td></td><td>.300 <t< td=""></t<></td></t<></td></t<>	•	.300 <t< td=""><td></td><td>.300 <t< td=""></t<></td></t<>		.300 <t< td=""></t<>
FEB	BOL	.300 <t< td=""><td></td><td>.300 <t< td=""><td></td><td>.300 <t< td=""></t<></td></t<></td></t<>		.300 <t< td=""><td></td><td>.300 <t< td=""></t<></td></t<>		.300 <t< td=""></t<>
MAR	BDL	BOL		BOL		BOL
APR	BOL	.500 <t< td=""><td></td><td>.500 <t< td=""><td></td><td>BDL</td></t<></td></t<>		.500 <t< td=""><td></td><td>BDL</td></t<>		BDL
MAY	BOL	.300 <t< td=""><td></td><td>BOL</td><td></td><td>.200 <t< td=""></t<></td></t<>		BOL		.200 <t< td=""></t<>
JUN	BOL	.300 <t< td=""><td></td><td>.300 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.300 <t< td=""><td></td><td>BOL</td></t<>		BOL
JUL	BOL	.300 <t< td=""><td></td><td>.300 <t< td=""><td>· ·</td><td>.300 <t< td=""></t<></td></t<></td></t<>		.300 <t< td=""><td>· ·</td><td>.300 <t< td=""></t<></td></t<>	· ·	.300 <t< td=""></t<>
AUG	BDL	.500 <t< td=""><td></td><td>.500 <t< td=""><td></td><td>.400 &lt;7</td></t<></td></t<>		.500 <t< td=""><td></td><td>.400 &lt;7</td></t<>		.400 <7
SEP	BOL	.500 <t< td=""><td>•</td><td>.600 <t< td=""><td>•</td><td>.800 &lt;1</td></t<></td></t<>	•	.600 <t< td=""><td>•</td><td>.800 &lt;1</td></t<>	•	.800 <1
OCT	BOL	.500 <t< td=""><td></td><td>.700 <t< td=""><td>•</td><td>.500 &lt;7</td></t<></td></t<>		.700 <t< td=""><td>•</td><td>.500 &lt;7</td></t<>	•	.500 <7
NOV	BDL	.400 <t< td=""><td>•</td><td>.400 <t< td=""><td>•</td><td>.800 &lt;1</td></t<></td></t<>	•	.400 <t< td=""><td>•</td><td>.800 &lt;1</td></t<>	•	.800 <1
DEC	BDL	.300 <t< td=""><td>•</td><td>.200 &lt;1</td><td>•</td><td>.300 &lt;1</td></t<>	•	.200 <1	•	.300 <1
		1300 11	•	.200	•	

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM BELLEVILLE WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
T-CHLOROET	HYLENE (UG/L	)		DET'N LIMIT = .	.050 GUIDELINE =	10.0 (C2)
JAN	BOL	.050 <t< td=""><td></td><td>201</td><td></td><td>BOL</td></t<>		201		BOL
FEB	BOL	.050 <t< td=""><td></td><td>.050 &lt;1</td><td></td><td>.100 &lt;</td></t<>		.050 <1		.100 <
MAR	BOL	BOL		BOL		BOL
APR	.050 <t< td=""><td>.100 <t< td=""><td></td><td>.100 &lt;7</td><td></td><td>.100 &lt;</td></t<></td></t<>	.100 <t< td=""><td></td><td>.100 &lt;7</td><td></td><td>.100 &lt;</td></t<>		.100 <7		.100 <
MAY	BOL	BDL		BOL		BOL
JUN	BOL	BOL		BOL		BOL
JUL	BOL	BOL		BOL		BOL
AUG	BOL	BDL		.050 <1		80L
SEP	BOL	BOL		BDL		BOL
OCT	BOL	BOL		BOL		BOL
NOV	BOL	BOL		BOL	•	BOL
DEC	BOL	BOL		BOL	•	BOL
OTL TRIHA	LOMETHANES (UG/L	)		DET'N LIMIT = .	.500 GUIDELINE = 1	350 (A1)
JAN	BDL	94.700	•	79.800		78.200
FEB	BOL	98.100		84.450		110.100
HAR	.900 <t< td=""><td>97.050</td><td></td><td>94.900</td><td></td><td>105.200</td></t<>	97.050		94.900		105.200
APR	2.250 <t< td=""><td>117.050</td><td></td><td>84.250</td><td></td><td>90.800</td></t<>	117.050		84.250		90.800
HAY	.600 <t< td=""><td>156.800</td><td></td><td>106.300</td><td>•</td><td>141.800</td></t<>	156.800		106.300	•	141.800
JUN	.500 <t< td=""><td>154.100</td><td></td><td>140.750</td><td>•</td><td>151.600</td></t<>	154.100		140.750	•	151.600
JUL	1.100 <t< td=""><td>167.800</td><td></td><td>136.200</td><td>•</td><td>132_400</td></t<>	167.800		136.200	•	132_400
AUG	.700 <t< td=""><td>164.250</td><td></td><td>163.300</td><td></td><td>139,000</td></t<>	164.250		163.300		139,000
SEP	BOL	159.050		142.200		148.250
OCT	BOL	127.950		106.850		104.900
NOV	BDL	99.900		80.900		97.500
DEC	BDL	110.300		81.000		103.200

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

	р	ETECTION	N	
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
BACTERIOLOGICAL				
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0	(A1)
STANDARD PLATE COUNT MEMBRANE	CT/ML	0	500/M	L(A1)
FILTRATION				
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	5/100m	L(A1)
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A	
CHLOROAROMATICS				
HEXACHLOROBUTADIENE	NG/L	1.000	450.	(D4)
1,2,3-TRICHLOROBENZENE	NG/L		10000	(I)
1,2,3,4-TETRACHLOROBENZENE	NG/L		10000	(I)
1,2,3,5-TETRACHLOROBENZENE	NG/L	1.000	10000	(I)
1,2,4-TRICHLOROBENZENE	NG/L	5.000	10000	(I)
1,2,4,5-TETRACHLOROBENZENE	NG/L	1.000	38000	(D4)
1,3,5-TRICHLOROBENZENE	NG/L	5.000	10000	(D4)
HEXACHLOROBENZENE	NG/L	1.0	10.	(C1)
HEXACHLOROETHANE	NG/L	1.000	1900.	(D4)
OCTACHLOROSTYRENE	NG/L		N/A	
PENTACHLOROBENZENE	NG/L		74000	(D4)
2,3,6-TRICHLOROTOLUENE	NG/L	5.000	N/A	
2,4,5-TRICHLOROTOLUENE	NG/L	5.000	N/A	
2,6,A-TRICHLOROTOLUENE	NG/L	5.000	N/A	
CHLOROPHENOLS				
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A	
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,4,5-TRICHLOROPHENOL	NG/L		600000	(D4)
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000.	(B4)
PENTACHLOROPHENOL	NG/L		30000.	(B4)
CHEMISTRY (FLD)				
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD FREE CHLORINE RESIDUAL	•	N/A	N/A	
FIELD TOTAL CHLORINE RESIDUAL	MG/L MG/L	N/A	N/A	
FIELD PH	DMSNLESS	N/A	6.5-8.	5/3/1
FIELD TEMPERATURE	OC	N/A	<15 °C	
FIELD TURBIDITY	FTU	N/A		(A1)
		.,		
CHEMISTRY (LAB)				
ALKALINITY	MG/L	.200		0(A4)
CALCIUM	MG/L	.100		(F2)
CYANIDE	MG/L	.001		0(A1)
CHLORIDE	MG/L	.200	250.	(A3)
COLOUR	TCU	.5	5.0	, ,
CONDUCTIVITY	UMHO/CM	1.	400.	(F2)
FLUORIDE	MG/L	.01	2.4	
HARDNESS	MG/L	.50		0(A4)
MAGNESIUM	MG/L	.05	30.	(F2)

	-			
		ETECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
NITRITE	MG/L	.001	1.0	(A1)
TOTAL NITRATES	MG/L	.02	10.	(A1)
NITROGEN TOTAL KJELDAHL	MG/L	.02	N/A	
PH	DMSNLESS	N/A	6.5-8.	5(A4)
PHOSPHORUS FIL REACT	MG/L	.000	5 N/A	
	MG/L	.002	. 40	O(F2)
	MG/L		500.	
TURBIDITY	FTU		1.0	
METALS				
ALUMINUM	UG/L	.050	100.	(A4)
ANTIMONY	UG/L	.050	10.	(F3)
ARSENIC	UG/L		50.	
	UG/L		1000.	
BORON	UG/L		5000.	
	UG/L		0.20	
	UG/L		5.0	
COBALT	UG/L		1000.	
CHROMIUM	UG/L		50.	
COPPER	UG/L		1000.	
IRON	UG/L		300.	
MERCURY	UG/L		1.0	
MANGANESE	UG/L		50.	
MOLYBDENUM	UG/L		500.	
NICKEL	UG/L		50.	
LEAD	UG/L		50.	
	UG/L		10.	
	UG/L		50.	
	UG/L			(H)
	UG/L		13.	(D4)
TITANIUM	UG/L		· N/A	
URANIUM	UG/L	.020		(A2)
VANADIUM	UG/L		100.	(H)
ZINC	UG/L		5000.	(A3)
PHENOLICS				
PHENOLICS (UNFILTERED REACTIVE)	UG/L	.2	2.0	(A3)
PESTICIDES & PCB				
ALDRIN	NG/L	1.0	700.	(A1)
AMETRINE	NG/L	50. 3	00000.	
ATRAZINE	NG/L		60000.	
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	700.	(G)
	NG/L	1.0	300.	(G)
GAMMA HEXACHLOROCYCLOHEXANE (LINDANE)			4000.	(A1)
	NG/L	2.0		(A1)
	NG/L	2.0		(A1)
BLADEX	NG/L		10000.	
	NG/L			(A1)
	NG/L		00000.	-
	NG/L		74000.	(D4)
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0		(D4)
ENDRIN 2 (THIODAN II)	NG/L	4.0	200.	(A1)
ENDOSULFAN SULPHATE (THIODAN SULPHATE		4.0	N/A	, , ,
HEPTACHLOR EPOXIDE	NG/L	1.0	_	(A1)
	, _			,

	I	DETECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
HEPTACHLOR	NG/L	1.0	3000.	(A1)
METOLACHLOR	NG/L	500.	50000.	(B3)
MIREX	NG/L	5.0	N/A	
OXYCHLORDANE	NG/L	2.0	N/A	
O,P-DDT	NG/L	5.0	30000.	(A1)
PCB	NG/L	20.0	3000.	(A2)
O, P-DDD	NG/L	5.0	N/A	
PPDDE	NG/L	1.0	30000.	(A1)
PPDDT	NG/L	5.0	30000.	(A1)
ATRATONE	NG/L	50.	N/A	
ALACHLOR	NG/L	500.	35000.	(D2)
PROMETONE	NG/L	50.	52500.	(D3)
PROPAZINE	NG/L	50.	16000.	(D2)
PROMETRYNE	NG/L	50.	1000.	(B3)
SENCOR (METRIBUZIN)	NG/L	100.	80000.	(B2)
SIMAZINE	NG/L	50.	10000.	(B3)
POLYAROMATIC HYDROCARBONS				
PHENANTHRENE	NG/L	10.0	N/A	
ANTHRACENE	NG/L	1.0	N/A	
FLUORANTHENE	NG/L	20.0	42000.	(D4)
PYRENE	NG/L	20.0	N/A	
BENZO(A) ANTHRACENE	NG/L	20.0	N/A	
CHRYSENE	NG/L	50.0	N/A	-
DIMETHYL BENZO(A)ANTHRACENE	NG/L	5.0	N/A	
BENZO(E) PYRENE	NG/L	50.0	N/A	
BENZO(B)FLUORANTHENE	NG/L	10.0	N/A	
PERYLENE	NG/L	10.0	N/A	
BENZO(K) FLUORANTHENE	NG/L	1.0	N/A	
BENZO(A) PYRENE	NG/L	5.0	10.	(B1)
BENZO(G, H, I) PERYLENE	NG/L	20.0	N/A	
DIBENZO(A, H) ANTHRACENE	NG/L	10.0	N/A	
INDENO(1,2,3-C,D)PYRENE	NG/L	20.0	N/A	
BENZO(B) CHRYSENE	NG/L	2.0	N/A	
CORONENE	NG/L	10.0	N/A	
SPECIFIC PESTICIDES				
TOXAPHENE	NG/L	N/A	5000.	(A1)
2,4,5-TRICHLOROBUTYRIC ACID	NG/L	50.	200000.	(B4)
(2,4,5-T)				
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000.	(A1)
2,4-DICHLORORPHENOXYBUTYRIC ACID	NG/L	200.	18000.	(B3)
2,4-D PROPIONIC ACID	NG/L	100.	N/A	
DICAMBA	NG/L	100.	120000.	(B1)
PICLORAM	NG/L	100.	190000.	(B3)
SILVEX (2,4,5-TP)	NG/L	50.	10000.	(A1)
DIAZINON	NG/L	20.	20000.	(B1)
DICHLOROVOS	NG/L	20.	N/A	
DURSBAN	NG/L	20.	N/A	
ETHION	NG/L	20.	35000.	(G)
GUTHION (AZINPHOSMETHYL)	NG/L	N/A	20000.	(B1)
MALATHION	NG/L	20.	190000.	(B1)
METUVI DADATUTON	NG/L	20.	N/A	(71)
METHYL PARATHION	NG/L	50. 20.	7000. N/A	(A1)
METHYLTRITHION	NG/L	20.	N/A	/B1\

NG/L

PARATHION

20. 50000. (B1)

	D	ETECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
PHORATE (THIMET)	NG/L	20.	2000.	(B3)
RELDAN	NG/L	20.	N/A	
RONNEL	NG/L	20.	N/A	
AMINOCARB	NG/L	N/A	N/A	
BENONYL	NG/L	N/A	N/A	
BUX (METALKAMATE)	NG/L	2000.	N/A	
CARBOFURAN	NG/L	2000.	90000.	(B1)
CICP (CHLORPROPHAM)	NG/L	2000.	350000.	(G)
DIALLATE	NG/L	2000.	30000.	(H)
EPTAM	NG/L	2000.	N/A	
IPC	NG/L	2000.	N/A	
PROPOXUR (BAYGON)	NG/L	2000.	90000.	(G)
SEVIN (CARBARYL)	NG/L	200.	90000.	(B1)
SUTAN (BUTYLATE)	NG/L	2000.	245000.	(D3)

#### VOLATILES

BENZENE	UG/L	.050	5.0 (B)	L)
TOLUENE	UG/L	.050	24.0 (B4	1)
ETHYLBENZENE	UG/L	.050	2.4 (B4	1)
PARA-XYLENE	UG/L	.100	300. (B4	1)
META-XYLENE	UG/L	.100	300. (B4	1) :
ORTHO-XYLENE	UG/L	.050	300. (B4	1)
1,1-DICHLOROETHYLENE	UG/L	.100	7.0 (D)	1) 1
ETHLYENE DIBROMIDE	UG/L	.05	.05 G)	)
METHYLENE CHLORIDE	UG/L	.500	50. (B)	1)
TRANS-1,2-DICHLOROETHYLENE	UG/L	.100	70. (D5	5)
1,1-DICHLOROETHANE	UG/L	.100	N/A	
CHLOROFORM	UG/L	.100	350. (A)	1+)
1,1,1-TRICHLOROETHANE	UG/L	.020	200. (D1	1)
1,2-DICHLOROETHANE	UG/L	.050	5.0 (D1	L)
CARBON TETRACHLORIDE	UG/L	.200	5.0 (B)	1)
1,2-DICHLOROPROPANE	UG/L	.050	6.0 (D5	5)
TRICHLOROETHYLENE	UG/L	.100	50. (B)	1)
DICHLOROBROMOMETHANE	UG/L	.050	350. (A)	1+)
1,1,2-TRICHLOROETHANE	UG/L	.050	.60(D4	1)
CHLORODIBROMOMETHANE	UG/L	.100	350. (A)	1+)
TETRACHLOROETHYLENE	UG/L	.050	10.0 (C2	2)
BROMOFORM	UG/L	.200	350. (A)	1+)
1,1,2,2-TETRACHLOROETHANE	UG/L	.050	0.17(D4	1)
CHLOROBENZENE	UG/L	.100	60. (D5	5)
1,4-DICHLOROBENZENE	UG/L	.100	1.0 (B4	1)
1,3-DICHLOROBENZENE	UG/L	.100	130. (0	3)
1,2-DICHLOROBENZENE	UG/L	.050	3.0 (B4	1)
TRIFLUOROCHLOROTOLUENE	UG/L	.100	N/A	
TOTAL TRIHALOMETHANES	UG/L	.500	350. (A)	L)
STYRENE	UG/L	.05	140. (D5	5)



